



Price List 2025
Calibration Technology



INSTRUMENTS
leyro

INSTRUMENTS

lezero

your calibration brand



General information

Contents

This price list contains the available standard models of Leyro's range of testing and calibration technology for the measured quantity pressure, humidity, temperature, current, voltage and resistance.

Please do not hesitate to contact our team, if you have any questions

Ordering information

Please state the order number or order code, if available.

If not, please ask for a detailed quotation and place your order specifying the respective quotation number.

Price

The prices are discounted according to quantities. Apart from that the prices which will come into effect are net prices. The prices are ex works plus packaging costs and valid statutory value-added tax.

For the processing and packaging of small orders we charge the following lump sum amounts:

Euro 25.00: for order values of less than Euro 250.--

Euro 12.50: for order values of Euro 250.-- to Euro 500.--

For order values exceeding Euro 500.-- we charge proportionate packaging cost in the amount of 1 % of order value.

Extreme escalations of raw material prices release us from fixed-price commitments.

Validity

The price list is valid for orders placed as of January 01, 2025 and will be effective until a new price list is issued.

Notes

Our general terms and conditions of sale and supply will apply. You can find them at the end of our price list.

The specifications, dimensions and materials of the products included in the price list represent the state of engineering. We reserve the right to perform modifications and/or replace materials.

If you want to return any products, we would like to ask you to contact our inside sales service.

They will give you a return confirmation. You can also do this online at WWW.LEYROINSTRUMENTS.COM under the heading "Contact"

Place of performance: Madrid, Spain

Place of jurisdiction: Madrid, Spain

Notes: Prices can be changed by Leyro Instruments without any information to the client

Calibration technology at the highest level

Calibration technology

Process tools

Portable pressure generation, Hand-helds and calibrators.

Laboratory calibrators

Precision pressure measuring, pressure controllers and pressure balances.

Temperature calibration technology

Reference thermometers, Hand-helds, calibrators, portable temperature calibrators and calibration baths.

Calibration and maintenance centre

ENAC laboratory and service workshop

ENAC calibrations as well as competent repair and maintenance as well as consulting and individual training with topics concerning calibration or service tasks.

Maintenance service

Mobile service vehicles

Calibrations (ENAC, inspection certificates, etc.) as well as maintenance and repair at the customer's premises.

Your benefit: minimum downtimes and reliable functioning due to expert maintenance.



LEYRO INSTRUMENTS SL DISCOUNT-LIST

VALID : Until new Price List or December 31st 2025

PRODUCT RANGE: Calibration Equipment Portfolio

Price-List Page	Short description of the content	Your discount
PRESSURE		
Pag 6	Pneumatic calibration handpump LMP 10	30%
Pag 7	Pneumatic calibration handpump LMP 40	30%
Pag 8	Pneumatic calibration handpump LMP 25	30%
Pag 9	Pneumatic calibration handpump LMP 60	30%
Pag 10	Pneumatic calibration handpump LMP 140	30%
Pag 11	Hydraulic calibration handpump LMP 700	30%
Pag 12	Comparison calibration pump LPC 7000	30%
Pag 13	Comparison calibration pump LPC 8000	30%
Pag 14-15	Precision digital pressure gauge IKA 200	30%
Pag 16-17	Precision digital pressure gauge IKA 300	30%
Pag 18	Precision pressure transmitter IKA 68	20%
Pag 19-20	Precision pressure indicator IKA 500	20%
Pag 21	Portable low pressure controller LPG 300	20%
Pag 22-23	Neumatic pressure controller LPG 400	20%
TEMPERATURE		
Pag 24	Dual Channel Reference Thermometer LDT 450	25%
Pag 25	Portable thermomether LDT 100	25%
Pag 26	Calibration bath LCB 30 + COOL BASIC	30%
Pag 27	Calibration bath LCB 30 + COOL ADVANCE	30%
Pag 28	Calibration bath LCB 30 BASIC	30%
Pag 29	Calibration bath LCB 30 ADVANCE	30%
Pag 30	Calibration bath LCB 50 BASIC	30%
Pag 31	Calibration bath LCB 50 ADVANCE	30%
Pag 32	Dry Well Calibrator LHC 40 BASIC	30%
Pag 33	Dry Well Calibrator LHC 40 ADVANCE	30%
Pag 34	Dry Well Calibrator LHC 75	30%
Pag 35	Dry Well Calibrator LHC 400 BASIC	30%
Pag 36	Dry Well Calibrator LHC 400 ADVANCE	30%
Pag 37	Dry Well Calibrator LHC 650 BASIC	30%
Pag 38	Dry Well Calibrator LHC 650 ADVANCE	30%
Pag 40-41	Temperature Blackbody LBB 90/70	30%
HUMIDITY		
Pag 42	Relative Humidity Calibrator Humical	20%
Pag 43	Dew Point Mirror LCM 473	20%
ELECTRICAL		
Pag 44	Process Calibrator LX 229/ 329/ 529	20%
EQUIPMENT OPTIONS		NET
EQUIPMENT ACCESSORIES		NET

Portable pressure generation

Hand test pump - Model LMP 10

Specification according data sheet

Pressure range	-0.85...+10 Bar
Medium	Air
Pressure connection	1/2" BSP female for reference instrument 1/4" BSP female for test item
Scope of delivery	Pump, T-piece, 2x0.5m hose with adapter, seals and O-rings



Hand test pump	Price EUR
Hand test pump LMP 10	762,59
Hand test pump LMP 10 incl, plastic case and set of adapters "BSP"	1110,89
Hand test pump LMP 10 incl, plastic case and set of adapters "metric"	1110,89
Hand test pump LMP 10 incl, plastic case and set of adapters "NPT"	1110,89

Accessories	Price EUR
Plastic case with foams and free space for LMP 10, dimensions in mm: (W/H/T) 395 x 295 x 106	203,85
Service kit for hand test pump LMP 10 with various o-rings and seals	85,33
Replacement hose for LMP 10, length 0.5 m	56,23
Set of adapters and set of seals "BSP" for LMP 10 for test item connection 1/4" BSP male on 1/8" BSP, 3/8" BSP and 1/2" BSP female	144,46
Set of adapters and set of seals "metric" for LMP 10 for test item connection 1/4" BSP male on M12 x 1.5, M20 x 1.5 and "Minimess"	144,46
Set of adapters and set of seals "NPT" for LMP 10 for test item connection 1/4" BSP male on 1/8" NPT, 1/4" NPT, 3/8" NPT and 1/2" NPT female	144,46

Portable pressure generation

Hand test pump - Model LMP 40

Specification according data sheet

Pressure range	-950 mbar...40 bar
Medium	Air
Pressure condition	1/2" BSP for reference instrument 1/4 "BSP female, rotating for test item
Scope of delivery	Pump, 1m hose, seals and O-rings



Hand test pump	Price EUR
Hand test pump LMP 40	642,12
Hand test pump LMP 40 incl, plastic case and set of adapters "BSP"	923,99
Hand test pump LMP 40 incl, plastic case and set of adapters "metric"	923,99
Hand test pump LMP 40 incl, plastic case and set of adapters "NPT"	923,99

Accessories	Price EUR
Plastic case with foams and free space for LMP 40, dimensions in mm: (W/H/T) 395 x 295 x 106	137,42
Service kit for hand test pump LMP 40 with various o-rings and seals	85,33
Replacement hose for LMP 40, length 0.5 m	56,23
Set of adapters and set of seals "BSP" for LMP 40 for test item connection 1/4" BSP male on 1/8" BSP, 3/8" BSP and 1/2" BSP female	144,46
Set of adapters and set of seals "metric" for LMP 40 for test item connection 1/4" BSP male on M12 x 1.5, M20 x 1.5 and "Minimess"	144,46
Set of adapters and set of seals "NPT" for LMP 40 for test item connection 1/4" BSP male on 1/8" NPT, 1/4" NPT, 3/8" NPT and 1/2" NPT female	144,46

Portable pressure generation

Hand test pump - Model LMP 25

Specification according data sheet

Pressure range	-950 mbar...+25 bar
Medium	Air
Pressure condition	2 x M20 x 1.5 female for reference Instrument and test swivel
Scope of delivery	Pump, seals and O-rings



Hand test pump	Price EUR
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Hand test pump LMP 25	1747,93
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Accessories	Price EUR
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Soft bag for LMP 25, dimensions in mm: (328x198x140)	100,93
Service kit for hand test pump LMP 60 with various o-rings and seals	72,86
Set hand quick connectors for pneumatic pressure comparator LMP 25	471,86
Male adapter M20x1,5 to female: 1/2" NPT, 1/4" NPT, 3/8" NPT, 1/2" BSP, 1/4" BSP, 1/8" BSP, 3/8" BSP, M10 x 1.0, M20 x 1.5	

Portable pressure generation

Hand test pump - Model LMP 60

Specification according data sheet

Pressure range	-950 mbar ... 60Bar
Medium	Air
Pressure condition	2 x M20 x 1.5 female for reference Instrument and test swivel
Scope of delivery	Pump, seals and O-rings



Hand test pump	Price EUR
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Hand test pump LMP 60	2015,17
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Accessories	Price EUR
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Soft bag for LMP 60, dimensions in mm: (328x198x140)	100,93
Service kit for hand test pump LMP 60 with various o-rings and seals	72,86
Set hand quick connectors for pneumatic pressure comparator LMP 60	471,86
Male adapter M20x1,5 to female: 1/2" NPT, 1/4" NPT, 3/8" NPT, 1/2" BSP, 1/4" BSP, 1/8" BSP, 3/8" BSP, M10 x 1.0, M20 x 1.5	

Portable pressure generation

Hand test pump - Model LMP 140

Specification according data sheet

Pressure range	-950 mbar ... 140 Bar
Medium	Air
Pressure condition	3 x M20 x 1.5 female for reference Instrument and test swivel
Scope of delivery	Pump, seals and O-rings



Hand test pump	Price EUR
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Hand test pump LMP 140	3427,44
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Accessories	Price EUR
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Service kit for hand test pump LMP 140 with various o-rings and seals	81,07
Set hand quick connectors for pneumatic pressure comparator LMP 60 /140	471,86
Male adapter M20x1,5 to female: 1/2" NPT, 1/4" NPT, 3/8" NPT, 1/2" BSP, 1/4" BSP, 1/8" BSP, 3/8" BSP, M10 x 1.0, M20 x 1.5	

Portable pressure generation

Hand test pump - Model LMP 700

Specification according data sheet

Pressure range	0 bar...700 bar
Medium	Oil, clean water, free of calcium-carbonate (other media on request)
Pressure condition	1/2" BSP male reference instrument 1/4" BSP female, for test item
Scope of delivery	Pump, Minimesse hose 1m, seals and O-rings



Hand test pump	Price EUR
Hand test pump LMP 700, medium oil / clean water, free of calcium-carbonate incl, test hose Minimesse, length 1 m and coupling 1/4" BSP female	1227,84
Hand test pump LMP 1000, medium oil / clean water, free of calcium-carbonate incl, test hose Minimesse, length 1 m and coupling 1/4" BSP female	1880,34

Accessories	Price EUR
Plastic case with foams and free space for LMP 700, dimensions in mm: (W/H/T) 440 x 370 x 140	202,80
Set of adapters and set of seals "BSP" for test item connection 1/4" BSP male on 1/8" BSP, 3/8" BSP and 1/2" BSP female	144,46
Set of adapters and set of seals "metric" for test item connection 1/4" BSP male on M12 x 1.5, M20 x 1.5 and Minimesse	144,46
Set of adapters and set of seals "NPT" for test item connection 1/4" BSP male on 1/8" NPT, 1/4" NPT, 3/8" NPT and 1/2" NPT female	144,46
Operating fluid for LMP 700 test pump series in plastic bottle, content 1 litre	93,44
Service kit of sealing gaskets and o-rings for hand test pump LMP 700	167,25
Replacement hose for LMP 700, length 1 m	98,57

Portable pressure generation

Hand spindle pump - Model LPC 7000

Specification according data sheet

Pressure range	0 bar...700 bar/ 1000 bar
Medium	Oil, clean water, free of calcium-carbonate (other media on request)
Pressure condition	2 x 1/2 " BSP female thread, rotating, with o-ring
Scope of delivery	Pump, seals and O-rings



Hand test pump	Price EUR
Hand spindle pump LPC 7000, medium oil / clean water, free of calcium-carbonate	1907,06
Range 0...700 bar	without
Range 0...1000 bar	489,54
Option clean water	203,50

Accessories	Price EUR
Operating fluid for LPC 7000 test pump series in plastic bottle, content 0.5 liter	66,48
Blind plug 1/2" BSP male thread, mat,	18,75
Set of O-rings consisting of 10 spare sealings for pressure ports, mat, : FKM/FPM	27,32
Threaded adapter 1/2" BSP male thread on 1/8" BSP female thread	79,64
Threaded adapter 1/2" BSP male thread on 1/4" BSP female thread	79,64
Threaded adapter 1/2" BSP male thread on 3/8" BSP female thread	79,64
Threaded adapter 1/2" BSP male thread on M20 x 1,5 female thread	79,64
Threaded adapter 1/2" BSP male thread on 1/4" NPT female thread	79,64
Threaded adapter 1/2" BSP male thread on 1/2" NPT female thread	79,64
Angle connection 90° for test specimens with back mounting connection	269,88
Dual connection for test specimens with mounting connection	355,13

Portable pressure generation

Hand spindle pump - Model LPC 8000

Specification according data sheet

Pressure range	0...1400 bar
Medium	Oil, clean water, free of calcium-carbonate (other media on request)
Pressure condition	2 x 1/2 " BSP female thread, rotating, with o-ring
Scope of delivery	Pump, seals and O-rings



Hand test pump	Price EUR
Hand spindle pump LPC 8000, medium oil / clean water, free of calcium-carbonate	2919,29

Accessories	Price EUR
Operating fluid for LPC 8000 test pump series in plastic bottle, content 0.5 liter	66,48
Blind plug G 1/2 male thread, mat,	18,03
Set of O-rings consisting of 10 spare sealings for pressure ports, mat, FKM/FPM	27,31
Threaded adapter 1/2" BSP male thread on 1/8" BSP female thread	79,64
Threaded adapter 1/2" BSP male thread on 1/4" BSP female thread	79,64
Threaded adapter 1/2" BSP male thread on 3/8" BSP female thread	79,64
Threaded adapter 1/2" BSP male thread on M20 x 1,5 female thread	79,64
Threaded adapter 1/2" BSP male thread on 1/4" NPT female thread	79,64
Threaded adapter 1/2" BSP male thread on 1/2" NPT female thread	79,64
Angle connection 90° for test specimens with back mounting connection	269,88
Dual connection for test specimens with mounting connection	355,13

Precision pressure measuring instruments

Precision digital pressure gauge - Model IKA 200

Specification according data sheet

Accuracy	±0.05%FS, ±0.1%FS, ±0.2%FS
Display	5 digit display with 14 mm characters height
Features	9 selectable pressure units
Housing	Stainless steel case (NEMA4 / IP65) with protective rubber boot
Power supply	1 battery size 3.7, battery life: up to 2000h
Scope of delivery	Incl, 1/2" BSP



Field no,	Code	Version	Price EUR	
			Basic price	
	A	class 0.05	1018,67	
	B	class 0.1	895,80	
	C	class 0.2	744,50	
	D	class 0.5	720,30	
			Additional price	
1	UNIT			
	B	bar (convertible in: 21 other & 1 programmable units)	without	
	S	bar absolute (convertible in: 21 other & 1 programmable units)	245,71	
	D	Compound and differential (convertible in: 21 other & 1 programmable units)	341,33	
2	PRESSURE RANGE			
	CD	-1 ... 0 bar	relative	Extra cost D
	CE	0 ... 0.7 bar	relative	without
	CI	0 ... 1 bar	relative	without
	AI	0 ... 2 bar	relative	without
	BD	0 ... 4 bar	relative	without
	EC	0 ... 7 bar	relative	without
	EF	0 ... 14 bar	relative	without
	EL	0 ... 20 bar	relative	without
	HD	0 ... 35 bar	relative	without
	EI	0 ... 40 bar	relative	without
	ER	0 ... 70 bar	relative	without
	ES	0 ... 140 bar	relative	without
	EU	0 ... 200 bar	relative	without
	ST	0 ... 350 bar	relative	without
	KD	0 ... 400 bar	relative	without
	LT	0 ... 700 bar	relative	without
	BI	-0.063...0.063 bar	compound	Extra cost D
	AE	-0.025 ... 0.025 bar	compound	Extra cost D
	OL	-0.04...0.04 bar	compound	Extra cost D
	PV	-0.05 ... 0.05 bar	compound	Extra cost D
	HS	-0.1 ... 0.1 bar	compound	Extra cost D
	RD	-0.25...0.25 bar	compound	Extra cost D
	PL	-0.4...0.4 bar	compound	Extra cost D
	LM	-0.63...0.63 bar	compound	Extra cost D
	GH	-1 ... 1bar	compound	Extra cost D

DS	-1 ... 1.6bar	compound		Extra cost D
AB	-1...2.5 bar	compound		Extra cost D
DM	-1...4 bar	compound		Extra cost D
DB	-1...6 bar	compound		Extra cost D
DN	-1...10 bar	compound		Extra cost D
DO	-1...16 bar	compound		Extra cost D
DP	-1...20 bar	compound		Extra cost D
AC	-1...25 bar	compound		Extra cost D
AD	-1...35 bar	compound		Extra cost D
AG	-1...40 bar	compound		Extra cost D
AH	-1...60 bar	compound		Extra cost D
BA	-0.025...0.025 bar	differential		Extra cost D
BB	-0.05...0.05 bar	differential		Extra cost D
BC	-0.1...0.1 bar	differential		Extra cost D
BD	-0.2...0.2 bar	differential	class 0.1 only	Extra cost D
BE	-0.4...0.4 bar	differential	class 0.1 only	Extra cost D
BF	-0.5...0.5 bar	differential	class 0.1 only	Extra cost D
CA	0 ... 0.7 bar	absolute		Extra cost S
CB	0 ... 1 bar	absolute		Extra cost S
CD	0 ... 2 bar	absolute		Extra cost S

3 PROCESS CONNECTION

A	1/2" BSP male (bottom)	without
B	1/4" NPT male (bottom)	without

4 TEST PUMP

Z	without	without
L	LMP 40, pressure range -0.95...+40 bar, pneumatic	617,42
J	LMP 700, pressure range 0...700 bar, hydraulic	1180,62
M	LMP 60, pressure range -0,95...+60 bar, pneumatic	1937,67
N	LMP 140, pressure range -0,95...+140 bar, pneumatic	3295,62

5 CARRYING CASE

Z	without	without
E	for one IKA 200 and one pneumatic test pump LMP 40	136,09
F	for one IKA 200 and one hydraulic test pump LMP 700	200,85

6 TYPE OF CERTIFICATE

3	calibration report 3,1	without
D	ENAC calibration certificate incl, evaluation, diagram and determination of accuracy ENAC 17025	319,77

7 Additional order details

Z	without	
T	additional text	please state as clearly understandable text!

Model code:	IKA 200		-		-		-		-	
Additional text:										

Precision pressure calibrator and measuring instruments

Precision digital pressure gauge - Model IKA 300

Specification according data sheet

Accuracy	$\pm 0.025\%FS$, $\pm 0.05\%FS$, $\pm 0.1\%FS$, $\pm 0.2\%FS$
Only pressure calibrator:	Current measurement: (0-25)Ma Accuracy: $\pm(0.02\%R,D+0.005\%FS)$ Voltage measurement: (0-25)V Accuracy: $\pm(0.02\%R,D+0.005\%FS)$ Temperature compensating range: (0-50)°C DC output: DC24V ($\leq 30mA$) Accuracy: $\pm 1\%FS$
Display	6 digit display with 14 mm characters height
Features	9 selectable pressure units
Housing	ABS plastic case
Power supply	1 batteries battery 7.4 life: up to 80h + charger
Scope of delivery	Incl, 1/2" BSP



Field no,	Code	Version	Price EUR
			Basic price
	A	class 0.025	1662,50
	B	class 0.05	1448,94
	C	class 0.1	1345,57
	D	class 0.2	1164,25
	E	class 0.025 (Pressure calibrator)	2810,97
	F	class 0.05 (Pressure calibrator)	2152,93
1	UNIT		
	B	bar	without
	S	bar absolute version	245,71
	D	bar compound and differential pressure	341,33
2	PRESSURE RANGE		
	CE	-1 ... 0 bar relative	Extra cost D
	CI	0 ... 0.6 bar relative	without
	AI	0 ... 0.7 bar relative	without
	BD	0 ... 1 bar relative	without
	EC	0 ... 1.6 bar relative	without
	EF	0 ... 2 bar relative	without
	EL	0 ... 2.5 bar relative	without
	HD	0 ... 4 bar relative	without
	EI	0 ... 6 bar relative	without
	ER	0 ... 7 bar relative	without
	ES	0 ... 10 bar relative	without
	EU	0 ... 14 bar relative	without
	ST	0 ... 16 bar relative	without
	KD	0 ... 20 bar relative	without
	LT	0 ... 25 bar relative	without
	BI	0 ... 35 bar relative	without
	AE	0 ... 40 bar relative	without
	OL	0 ... 60 bar relative	without
	PV	0 ... 70 bar relative	without
	HS	0 ... 100 bar relative	without
	RD	0 ... 140 bar relative	without
	PL	0 ... 160 bar relative	without
	LM	0 ... 200 bar relative	without
	GH	0 ... 250 bar relative	without
	DS	0 ... 350 bar relative	without
	AB	0 ... 400 bar relative	without

MM	0 ... 600 bar	relative		without
MB	0 ... 700 bar	relative		without
MS	0 ... 1000 bar	relative		without
MD	0 ... 1200 bar	relative	class 0.1 only	without
DQ	0 ... 1400 bar	relative	class 0.1 only	without
DD	0 ... 1600 bar	relative	class 0.1 only	without
DM	0 ... 2500 bar	relative	class 0.1 only	without
DB	-0.025 ... 0.025 bar	compound		Extra cost D
DN	-0.04 ... 0.04 bar	compound		Extra cost D
DO	-0.05 ... 0.05 bar	compound		Extra cost D
DP	-0.063 ... 0.063 bar	compound		Extra cost D
AC	-0.1 ... 0.1 bar	compound		Extra cost D
AD	-0.25 ... 0.25 bar	compound		Extra cost D
AG	-0.4 ... 0.4 bar	compound		Extra cost D
AH	-0.63 ... 0.63 bar	compound		Extra cost D
PQ	-1 ... 1 bar	compound		Extra cost D
PD	-1 ... 1.6 bar	compound		Extra cost D
PR	-1 ... 2.5 bar	compound		Extra cost D
PT	-1 ... 4 bar	compound		Extra cost D
AA	-1 ... 6 bar	compound		Extra cost D
AB	-1 ... 10 bar	compound		Extra cost D
AC	-1 ... 16 bar	compound		Extra cost D
AD	-1 ... 20 bar	compound		Extra cost D
AE	-1 ... 25 bar	compound		Extra cost D
AF	-1 ... 35 bar	compound		Extra cost D
AG	-1 ... 40 bar	compound		Extra cost D
AH	-1 ... 60 bar	compound		Extra cost D
BA	-0.025 ... 0.025 bar	differential		Extra cost D
BB	-0.05 ... 0.05 bar	differential		Extra cost D
BC	-0.1 ... 0.1 bar	differential		Extra cost D
BD	-0.2 ... 0.2 bar	differential	class 0.1 only	Extra cost D
BE	-0.4 ... 0.4 bar	differential	class 0.1 only	Extra cost D
BF	-0.5 ... 0.5 bar	differential	class 0.1 only	Extra cost D
CA	0 ... 0.7 bar	absolute		Extra cost S
CB	0 ... 1 bar	absolute		Extra cost S
CC	0 ... 2 bar	absolute		Extra cost S

3 PROCESS CONNECTION

A	1/2" BSP male (bottom)	without
B	1/4" NPT male (bottom)	without

4 TEST PUMP

Z	without	without
L	LMP 40, pressure range -0.95 ...+40 bar, pneumatic	617,42
J	LMP 700, pressure range 0 ... 700 bar, hydraulic	1180,62
M	LMP 60, pressure range -0.95 ...+60 bar, pneumatic	1937,67
N	LMP 140, pressure range -0.95 ...+140 bar, pneumatic	3295,62

5 CARRYING CASE

Z	without	without
E	for one IKA 300 and one pneumatic test pump LMP 40	136,09
F	for one IKA 300 and one hydraulic test pump LMP 700	200,85

6 TYPE OF CERTIFICATE

3	calibration report 3.1	without
D	ENAC calibration certificate incl. evaluation, diagram and determination of accuracy ENAC 17025	319,76
E	ENAC calibration certificate incl. evaluation, diagram and determination of accuracy calibrator version ENAC 17025	

7 Additional order details

Z	without
T	additional text

Model code:	IKA 300		1	2	3	4	5	6	7
Additional text:									

Precision pressure measuring instruments

Precision pressure transmitter - Model IKA 68

Specification according data sheet

Accuracy output signal	Better than $\pm 0.08\%$, in rated temperature range -20°C to 60°C
Measuring cell sensor	Piezoresistive sensor, membrane stainless steel 1.4435, welded, placed inside
Case	Stainless steel, welded to process connection
Process connection	1/2" BSP made of stainless steel 1.4571, welded hermetically dense
Electrical connection	Miniature-angular plug connector M16 x 0.75 metallic screened 4-pin massively metallic screened



Field no.	Code	Version	Price EUR
			Basic price
			1312,60
			Additional price
1	UNIT		
	O	Overpressure (Supply voltage: 9-30 V DC)	without
	A	Absolute pressure (Supply voltage: 9-30 V DC)	without
2	PRESSURE RANGE		
	B	-1 ... 3 bar	Only for overpressure type of measured pressure
	F	-1 ... 5 bar	Only for overpressure type of measured pressure
	E	-1 ... 9 bar	Only for overpressure type of measured pressure
	H	-1 ... 15 bar	Only for overpressure type of measured pressure
	A	0 ... 4 bar	
	T	0 ... 6 bar	
	O	0 ... 10 bar	
	K	0 ... 16 bar	
	N	0 ... 25 bar	
	J	0 ... 40 bar	
	S	0 ... 60 bar	
	V	0 ... 100 bar	
3	Additional order details (upon on request)		
	P	Other process connections	
	S	Spans <4 bar	
	O	Accuracy $\leq 0.05\%$	
	L	Other rated temperature ranges	
	V	Free cable head	
	W	Switching outputs (2 PNP-switches) with NC-function	
	K	USB / RS-485 connection box	
	Z	without	
	T	additional text	please state as clearly understandable text!

Model code:	IKA 68		-	
Additional text:				

Precision pressure measuring instruments

Precision pressure transmitter - Model IKA 500

Specification according data sheet

Operating Instruction	english, others on request
Accuracy	0.01 % FS; Differential pressure 0.03% FS Barometric sensor 800...1200 mBar Abs 0.01% FS
Display	6 digit touch screen display
Pressure units	23 + 1 selectable pressure units
Housing	ABS plastic case
Power supply	220 Vac - 50Hz / 110 Vac - 60 Hz
Pressure connections	1/8" BSP adapter Optional 6 mm Swagelok



Field no,	Code	Version	Basic price
			5516,44
1	HOUSING		
	D	desktop model	without
	M	for 19' rack mounitng with side filler plates	76,00
	C	connections: external installation of the sensors with 1.5m cable	453,81
2	NUMBER OF SENSORS		
	A	sensor 1	without
	B	sensor 2	2316,05
	C	barometric sensor	2372,91
3	DIGITAL INTERFACE		
	X	without	without
	E	IEEE	Request
4	ANALOG OUTPUTS		
	B	0...1 VDC	592,05
	F	0...5 VDC	592,05
	D	0...10 VDC	592,05
	A	4...20 mA	592,05
5	SWITCHING OUTPUTS		
	G	24 VDC PWP	
	H	TTL Level	592,05
6	ANALOG INPUTS		
	J	0...10 VDC	592,05
	K	4...20 mA	592,05
7	PRESSURE RANGE		
	X	without	without
	AD	-1...1 bar	relative without
	GH	-1... 3 bar	relative without
	DA	-1...10 bar	relative without
	OP	-1...30 bar	relative without
	VC	-1...100 bar	relative without
	WZ	0...2 bar	relative without
	SS	0...5 bar	relative without
	TU	0...20 bar	relative without
	NM	0...60 bar	relative without
	SA	0...200 bar	relative without
	LK	0...400 bar	relative without
	CE	0...700 bar	relative without
	BA	0...1000 bar	relative without
	BB	0...5000 bar	relative without

WZ	0...1 bar	absolute	without
SS	0...3 bar	absolute	without
TU	0...10 bar	absolute	without
NM	0...30 bar	absolute	without
SA	0...100 bar	absolute	without
LK	0...300 bar	absolute	without
CE	0...700 bar	absolute	without
BA	0...1000 bar	absolute	without
BB	0... 5000 bar	absolute	without
CB	± 30 mbar	differential	without
DC	± 100 mbar	differential	without
ED	± 300 mbar	differential	without

8 TYPE OF CERTIFICATE

D	ENAC/ ISO 17025	509,48
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9 Additional order details (upon on request)

Z	without	
T	additional text	please state as clearly understandable text!
C	portable case	234,50

Model code:	IKA 500	-	1	2	2A	3	4	5	6	7	7A	8	9
Additional text:													

Pressure controllers

Portable low pressure controller - Model LPG 300

Specification according data sheet

Operating Instruction	english, others on request
Accuracy	up to 0.1% FS
Permissible pressure media	ambient air
Display	Lighted, multiline graphic-display
Function	vent/ measure and control mode/ leak-test
Pressure connection	2 x hoses connections ø 6 mm
Digital interface	RS-232 and USB
Power supply	AC 100...230 V, 50/60 Hz
Housing	desk top model



Field no.	Code	Version	Price EUR
			Basic price
			7483,03
			Additional price
1	UNIT		
	M	hPa	without
2	PRESSURE RANGE		
	A6	0...1 hPa	without
	AE	0...10 hPa	without
	AL	0...100 hPa	without
	AS	0...1000 hPa	without
3	ACCURACY		
	O	0.3% FS (valid for range 1 hPa)	without
	P	0.1% FS	without
4	TYPE OF CERTIFICATE		
	3	calibration report 3.1	without
	G	calibration certificate for a gauge measuring range ENAC ISO 17025	509,48
5	POWER CORD		
	A	for europe	without
	B	for USA/Canada	without
	D	for UK	without
	G	for Australia	without
6	CARRY CASE		
	X	without	without
	W	with carry case	569,20
7	Additional order details		
	Z	without	
	T	additional text	please state as clearly understandable text!

Model code:	LPG 300	-	1	2	3	4	-	5	-	6	-	7
Additional text:												

Pressure controllers

Neumatic pressure controller - Model LPG 400

Specification according data sheet

Operating Instruction	english, others on request
Accuracy	From 0.02% to 0.05% FS depending on the pressure range Differential pressure 0.3%FS
Permissible pressure media	Clean air
Display	Lighted, multiline graphic-display
Function	vent/ measure and control mode/ leak-test
Pressure connection	1/8" BSP female option 6 mm Swagelok
Digital interface	RS-232 and USB
Power supply	AC 100 ... 230 V, 50/60 Hz
Housing	desk top model



Field no,	Code	Version	Price EUR
			Basic price
			9001,96
			Additional price
1	UNIT		
	M	for 19" rack mounting with side filler plates	73,78
	D	desktop model	without
	R	option Rack	request
	V	option Vack	227,82
	C	connections: external installation of the sensors with 1.5m cable	453,81
2	NUMBER OF SENSORS		
	A	sensor 1	without
	B	sensor 2	2317,33
	D	barometric sensor	1421,40
3	DIGITAL INTERFACE		
	X	without	without
	E	IEEE	Request
4	ANALOG OUTPUTS		
	B	0 ... 1 VDC	592,05
	F	0 ... 5 VDC	592,05
	D	0 ... 10 VDC	592,05
	A	4 ... 20 mA	592,05
5	SWITCHING OUTPUTS		
	G	24 VDC PWP	592,05
	H	TTL Level	592,05
6	ANALOG INPUTS		
	J	0 ... 10 VDC	
	K	4 ... 20 mA	
7	PRESSURE RANGE		
	X	without	without
	AD	0...1 bar	relative without
	GH	0...10 bar	relative without
	DA	0...20 bar	relative without
	OP	0...35 bar	relative without

VC	0...70 bar	relative	without
WZ	0...100 bar	relative	without
SS	0...150 bar	relative	without
TU	0...200 bar	relative	without
NM	0...210 bar	relative	without
WZ	0...1,3 bar	absolute	without
SS	0...3,5 bar	absolute	without
TU	0...10 bar	absolute	without
NM	0...25 bar	absolute	without
SA	0...50 bar	absolute	without
CB	± 10 mbar	differential	without
DC	± 250 mbar	differential	without
ED	± 50 mbar	differential	without
EF	± 75 mbar	differential	without
EG	± 100 mbar	differential	without
EH	± 200 mbar	differential	without
EI	± 300 mbar	differential	without
EJ	± 500 mbar	differential	without

8 TYPE OF CERTIFICATE

D	ENAC/ISO 17025 (Each sensor)	509,48
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9 POWER CORD

A	for Europe	without
C	for Australia	without
B	for USA/Canada	without
D	for UK	without
?	other	please state as clearly understandable text!

10 PRESSURE PORT ADAPTORS

O	1/8 " NPT female pipe thread	without
J	1/8 " NPT female pipe thread	without

11 Additional order details

Z	without	
T	additional text	please state as clearly understandable text!
C	portable case	590,59

Model code:	LPG 800	-	1	2	2A	3	4	5	6	7	7A	7B	8	9	10	11	12
Additional text:																	

Thermometer

Dual Channel Reference Thermometer - Model LDT 450

Specification according data sheet

Temperature range	-200 °C ... +963 °C
Number of channels	2 Channels RTD PT100
Accuracy	0.02°C at 0 °C
Resolution	Up to 0.001°C
Feeding	Male Lemo Connector
Scope of delivery	Basic equipment, mini SD Charger and Instrucion manual



Field no,	Code	Version	Price EUR
			Basic price
			1156,52
			Additional price
1	VERSION		
	1	range Temperature Range: -200 ... 963°C	without
2	PROBES		
	Z	without	without
	T	Probe type A, Pt100 4-wire class A, d= 6mm, l= 300mm range -200 °C...400 °C Hadle Black	237,80
	R	Probe type B, Pt100 4-wire class A, d= 4mm, l= 200mm, range -50 °C...450 °C range -50 °C...450 °C	197,50
	S	Probe type C, Pt100 I-wire class B, d= 4mm, l= 200mm range -100 °C...250 °C Red Handle Red Handle 12X40mm	540,00
	N	Probe type D, Pt100 IN 4-wire 1/10 class B, d= 4mm, l= 250mm range -100...400°C Red Handle 12X40mm	665,00
	O	Probe type E, Pt100 IN 4-wire 1/10 class B, d= 4mm, l= 375mm range -100...660°C Red Handle 12X40mm	995,00
	P	Probe type F, Immersion probe Pt100 IN 4-wire 1/10 tempered d= 3mm, l= 300mm, range range -200...400°C open wire GFK Handle Black	205,00
	Q	Probe type G, Immersion ProbePt100 IN 4-wire 1/10 tempered d= 3mm, l= 230mm range -200...400°C open wire GFK Handle Black	215,00
	U	Probe type H Immersion probe, d= 6mm, l= 400mm PT 100 650°C open wire withouth handle	420,00
	V	Probe type I, Immersion probe Pt100 4-wire 1/10 tempered d= 6mm, l= 300mm range -200...400°C open wire GFK Handle Black	235,00
3	CALIBRATION		
	Z	without	without
	C	Certificate 3.1 in two points (Each Channel)	68,00
	X	Calibration certificate ENAC ISO 17025 (1 Channel)	315,14
4	POWER CORD		
	A	for Europe	without
	C	for Australia	without
	B	for USA/Canada	without
	D	for UK	without
	?	other	please state as clearly understandable text!
5	Additional order details		
	Z	without smart probe	without
	L	Male Lemo Connectorwith Smart Probe	96,54
	Y	Additional Charger	22,70
	T	additional text	please state as clearly understandable text!
Model code:	LDT 450	- 1 2 2 3 3 4 5	- 5
Additional text:			

Thermometer

Portable thermometer - Model LTD 100

Specification according data sheet

Temperature range	-50 ... +250 °C [-58 ... +482 °F]
Accuracy	±0.05 °C in the range of -50 ... +250 °C [-58 ... +482 °F]
Resolution	0.01°C / 0.01°F or 0.1°C / 0.1°F (adjustable)
Feeding	2 x 1.5V AA (interchangeable)
Scope of delivery	Basic Instruments, Certificate 3.1, carry case and operating instructions



Field no,	Code	Model	Price EUR
			Basic price
	T	Version L: Sheath 315 x 6 mm + tip reduction 30 x 4 mm	339,00
	S	Version C: Seath 215 x 6 mm + 30 x 4 mm tip reduction	319,00
			Additional price
1	CALIBRATION		
	A	Calibration certificate 3.1 traceable at 0, 75 and 150 °c	without
	B	Calibration certificate ENAC ISO 17025	315,14
2	POWER SUPPLY		
	A	Battery 2 x 1.5 V AA (LR6) (Approx. 500 Hours).	without
3	Additional order details		
	Z	without	without
	C	Other accessories available upon request	consult

Model code:	LDT 100					-
Additional text:						

Calibration baths

Portable calibration bath - Model LCB 30+ COOL Basic

Low temperature range

Specification according data sheet

Temperature range	-40...140 °C
Diameter	60 mm
Immersion depth	190 mm
Stability	0.01 °C
Uniformity	0.03 °C
Integrated PID controller	0.1 resolution
Volume	0.7liters
Scope of delivery	Certificate 3.1, power cord and operating instructions



Field no.	Code	Model	Price EUR
			Basic price
	T	LCB 30 + COOL Basic	6801,08
			Additional price
1	POWER SUPPLY		
	A	100/230 VAC , 50...60 Hz	without
2	POWER CORD		
	A	for Europe	without
	C	for Australia	without
	B	for USA/Canada	without
	D	for UK	without
	?	other	please state as clearly understandable text!
3	Additional order details		Net Price
	Z	without	without
	C	Other accessories available upon request	without
	T	additional text	please state as clearly understandable text!
	X	PLA Lid with 6 holes	217,18
	Y	teflon stirrer	11,27
	P	with ENAC ISO 17025 calibration certificate	436,95
	F	Protocol Communication Modbus RS 485 (Software included)	151,41
Model code: LCB 30+ COOL Basic 1 2 3 4 -			
Additional text:			

Calibration baths

Portable calibration bath - Model LCB 30+ COOL Advance

Low temperature range

Specification according data sheet

Temperature range	-40...140 °C
Diameter	60 mm
Immersion depth	190 mm
Stability	0.01 °C
Uniformity	0.03 °C
Touch screen 4,3 "	0.1 / 0.01 / 0.001 °C resolution
Volume	0.7liters
Scope of delivery	Certificate 3.1, power cord, Protocol Communication Modbus RS 485 and operating instructions



Field no.	Code	Model	Price EUR
			Basic price
	T	LCB 30 + COOL Advance	7794,70
			Additional price
1	POWER SUPPLY		
	A	100/230 VAC , 50...60 Hz	without
2	POWER CORD		
	A	for Europe	without
	C	for Australia	without
	B	for USA/Canada	without
	D	for UK	without
	?	other	please state as clearly understandable text!
3	Additional order details		
	Z	without	without
	C	transport carry case	499,55
	T	additional text	please state as clearly understandable text!
	X	PLA Lid with 6 holes	217,18
	Y	teflon stirrer	11,27
	P	with ENAC ISO 17025 calibration certificate	436,95

Model code:	LCB 30+ COOL Advance	1	2	3	4
				-	
Additional text:					

Portable calibration bath - Model LCB 30 Basic

Low temperature range

Scope of delivery	Certificate 3.1, power cord and operating instructions
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Portable calibration bath - Model LCB 30 Advance

Temperature range -35... 165°C

Diameter 60 mm

Immersion depth	190 mm
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Stability	0.01 °C
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Uniformity	0.03 °C
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Touch screen 4,3 " 0.1 / 0.01 / 0.001 °C resolution

Volume 0.7liters

Scope of delivery	Certificate 3.1, power cord, Protocol Communication Modbus RS 485 and operating instructions
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Calibration baths

Portable calibration bath - Model LCB 50 Basic

Specification according data sheet	
Temperature range	+30 ... 255°C
Diameter	27.5 mm
Immersion depth	120 mm
Stability	0.03 °C
Uniformity	0.05 °C
Volume	0.6 liters
Integrated PID controller	0.1 resolution
Scope of delivery	Certificate 3.1, power cord and operating instructions



Field no, Code	Model	Price EUR
		Basic price
Y	LCB 50 Basic	5322,12
		Additional price
1	LCB MULTI-FUNCTION MICRO BATH / DRY BLOCK OPTIONAL	
F	External tank for microbath include basket and magnetic stirrer	432,60
G	Insert for IR thermomether (Blackbody)	348,14
H	Insert for surface probes	348,14
A	Inserts scope of delivery 1 x Ø 3.5 /1 x Ø 6.5/ 1 x Ø 8.5/ 1 x Ø 10.5	203,94
B	Inserts scope of delivery 2 x Ø 3.5 /2x Ø 4.5/ 2 x Ø 6.5/ 2 x Ø 8.5/ 2 x Ø 10.5	237,93
C	Inserts scope of delivery 3 x Ø 3.5 /3x Ø 6.5/ 3 x Ø 8.5/3 x Ø 10.5	346,08
D	Inserts scope of delivery 2 x Ø 3.5 /2x Ø 4.5/ 2 x Ø 5.5/2 x Ø 6.5/ 1 x Ø 8.5 /2 x Ø 9.5/1 x Ø 10.5	346,08
E	Whithout any holes (Blank)	189,26
2	POWER SUPPLY	
A	100/230 VAC , 50...60 Hz	without
3	POWER CORD	
A	for Europe	without
C	for Australia	without
B	for USA/Canada	without
D	for UK	without
?	other	please state as clearly understandable text!
4	Additional order details	
		Net Price
Z	without	without
C	transport carry case	499,95
T	additional text	please state as clearly understandable text!
X	PLA Lid with 6 holes	217,18
Y	teflon stirrer	11,27
P	with ENAC ISO 17025 calibration certificate	436,95
F	Protocol Communication Modbus RS 485 (Software included)	151,41
Model code: LCB 50 Basic		
Additional text:		

Calibration baths

Portable calibration bath - Model LCB 50 Advance

Specification according data sheet

Temperature range	+30 ... 255°C
Diameter	27.5 mm
Immersion depth	120 mm
Stability	0.03 °C
Uniformity	0.05 °C
Volume	0.6 liters
Touch screen 4,3 "	0.1 / 0.01 / 0.001 °C resolution
Scope of delivery	Certificate 3.1, power cord, Protocol Communication Modbus RS 485 and operating instructions



Field no,	Code	Model	Price EUR
			Basic price
	Y	LCB 50 Advance	6168,47
			Additional price
1	LCB MULTI-FUNCTION MICRO BATH / DRY BLOCK OPTIONAL		
	F	External tank for microbath include basket and magnetic stirrer	432,60
	G	Insert for IR thermometer (Blackbody)	348,14
	H	Insert for surface probes	348,14
	A	Inserts scope of delivery 1 x Ø 3.5 /1 x Ø 6.5/ 1 x Ø 8.5/ 1 x Ø 10.5	203,94
	B	Inserts scope of delivery 2 x Ø 3.5 /2x Ø 4.5/ 2 x Ø 6.5/ 2 x Ø 8.5/ 2 x Ø 10.5	237,93
	C	Inserts scope of delivery 3 x Ø 3.5 /3x Ø 6.5/ 3 x Ø 8.5/3 x Ø 10.5	346,08
	D	Inserts scope of delivery 2 x Ø 3.5 /2x Ø 4.5/ 2 x Ø 5.5/2 x Ø 6.5/ 1 x Ø 8.5 /2 x Ø 9.5/1 x Ø 10.5	346,08
	E	Whithout any holes (Blank)	189,26
2	POWER SUPPLY		
	A	100/230 VAC , 50...60 Hz	without
3	POWER CORD		
	A	for Europe	without
	C	for Australia	without
	B	for USA/Canada	without
	D	for UK	without
	?	other	please state as clearly understandable text!
4	Additional order details		Net Price
	Z	without	without
	C	transport carry case	499,55
	T	additional text	please state as clearly understandable text!
	X	PLA Lid with 6 holes	217,18
	Y	teflon stirrer	11,27
	P	with ENAC ISO 17025 calibration certificate	436,95

Model code:	LCB 50 Advance	1	2	3	4
				-	
Additional text:					

Portable temperature calibrator - Model LHC 40 Basic

Low temperature range



Temperature range -35...165 °C*

Diameter 60 mm

Immersion depth 165 mm

Stability 0.01 °C

Integrated PID controller 0.1 resolution

Scope of delivery	Certificate 3.1, power cord, standard insert and operating instructions
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*Minimum Temperature is 55°C Below Ambient. Absolute Minimum -35°C

Field no,	Code	Model	Price EUR
			Basic price
	T	LHC 40 Basic	4923,58
			Additional price
1	INSERTS LHC 40		
	G	Insert for IR thermometer (Blackbody)	348,14
	H	Insert for surface probes	348,14
	A	Standard inserts scope of delivery 1 x Ø 3.5 /1 x Ø 6.5/ 1 x Ø 8.5/ 1 x Ø 10.5	without
	B	Inserts scope of delivery 2 x Ø 3.5 /2x Ø 4.5/ 2 x Ø 6.5/ 2 x Ø 8.5/ 2 x Ø 10.5	237,93
	C	Inserts scope of delivery 3 x Ø 3.5 /3x Ø 6.5/ 3 x Ø 8.5/3 x Ø 10.5	346,08
	D	Inserts scope of delivery 2 x Ø 3.5 /2x Ø 4.5/ 2 x Ø 5.5/2 x Ø 6.5/ 1 x Ø 8.5 / 2 x Ø 9.5/1 x Ø 10.5	346,08
	E	Whitouth any holes	189,26
2	POWER SUPPLY		
	A	100/230 VAC , 50...60 Hz	without
3	POWER CORD		
	A	for Europe	without
	C	for Australia	without
	B	for USA/Canada	without
	D	for UK	without
	?	other	please state as clearly understandable text!
4	Additional order details		
	Z	without	without
	C	transport carry case	499,55
	T	additional text	please state as clearly understandable text!
	P	with ENAC ISO 17025 calibration certificate	436,95
	F	Protocol Communication Modbus RS 485 (Software included)	151,41

Model code: LHC 40 Basic

Additional text:

Dry Well Calibrator

Portable temperature calibrator - Model LHC 40 Advance Low temperature range

Specification according data sheet

Temperature range -35...165 °C*

Diameter 60 mm

Immersion depth 165 mm

Stability 0.008 °C

Touch screen 4,3 " 0.1 / 0.01 / 0.001 °C Resolution

Scope of delivery Certificate 3.1, power cord, Standard insert, Protocol Communication Modbus RS 485 and operating instructions



*Minimum Temperature is 55°C Below Ambient, Absolute Minimum -35°C

Field no, Code	Model	Price EUR
		Basic price
T	LHC 40 Advance	5685,53
		Additional price
1	INSERTS LHC 40	
G	Insert for IR thermometer (Blackbody)	348,14
H	Insert for surface probes	348,14
A	Standard inserts scope of delivery 1 x Ø 3.5 / 1 x Ø 6.5/ 1 x Ø 8.5/ 1 x Ø 10.5	without
B	Inserts scope of delivery 2 x Ø 3.5 / 2x Ø 4.5/ 2 x Ø 6.5/ 2 x Ø 8.5/ 2 x Ø 10.5	237,93
C	Inserts scope of delivery 3 x Ø 3.5 / 3x Ø 6.5/ 3 x Ø 8.5/ 3 x Ø 10.5	346,08
D	Inserts scope of delivery 2 x Ø 3.5 / 2x Ø 4.5/ 2 x Ø 5.5/ 2 x Ø 6.5/ 1 x Ø 8.5 / 2 x Ø 9.5/ 1 x Ø 10.5	346,08
E	Whitouth any holes	189,26
2	POWER SUPPLY	
A	100/230 VAC , 50...60 Hz	without
3	POWER CORD	
A	for Europe	without
C	for Australia	without
B	for USA/Canada	without
D	for UK	without
?	other	please state as clearly understandable text!
4	Additional order details	Net Price
Z	without	without
C	transport cary case	499,55
T	additional text	please state as clearly understandable text!
P	with ENAC ISO 17025 calibration certificate	436,95

Model code:	LHC 40 Advance		1	2	3	4
					-	
Additional text:						

Dry Well Calibrator

Portable temperature calibrator - Model LHC 75

Specification according data sheet

Temperature range	40...375 °C
Diameter	27.8 mm
Immersion depth	150 mm
Stability	0.05 °C
Integrated PID controller	0.1 resolution
Scope of delivery	Certificate 3.1, power cord and operating instructions



Field no, Code	Model	Price EUR
		Basic price
T	LHC 75	2832,77
		Additional price
1 INSERTS LHC 75		
A	Standard inserts scope of delivery 1 x Ø 3.1 / 2 x Ø 4.1/ 1 x Ø 6.1	without
B	Inserts scope of delivery 1 x Ø 11.1 / 1 x Ø 6.5/ 1 x Ø 4.1/ 1 x Ø 3.1	237,93
C	Inserts scope of delivery 1 x Ø 12.6 / 1 x Ø 6.5	346,08
D	Inserts scope of delivery 1 x Ø 17.4	346,08
E	Whitouth any holes	189,26
2 POWER SUPPLY		
A	100/230 VAC , 50...60 Hz	without
3 POWER CORD		
A	for Europe	without
C	for Australia	without
B	for USA/Canada	without
D	for UK	without
?	other	please state as clearly understandable text!
4 Additional order details		Net Price
Z	without	without
C	transport bag	285,00
T	additional text	please state as clearly understandable text!
P	with ENAC ISO 17025 calibration certificate	436,95

Model code:

	1	2	3	4
LHC 75				-

Additional text:

Dry Well Calibrator

Portable temperature calibrator - Model LHC 400 Basic

Specification according data sheet	
Temperature range	40...450 °C
Diameter	60 mm
Immersion depth	160 mm
Stability	0.008 °C
Integrated PID controller	0.1 resolution
Scope of delivery	Certificate 3.1, power cord and operating instructions



Field no.	Code	Model	Price EUR
			Basic price
	T	LHC 400 Basic	3923,59
			Additional price
1	INSERTS LHC 400		
	G	Insert for IR thermometer (Blackbody)	348,14
	H	Insert for surface probes	348,14
	A	Standard inserts scope of delivery 1 x Ø 3.5 / 1 x Ø 6.5 / 1 x Ø 8.5 / 1 x Ø 10.5	without
	B	Inserts scope of delivery 2 x Ø 3.5 / 2x Ø 4.5 / 2 x Ø 6.5 / 2 x Ø 8.5 / 2 x Ø 10.5	237,93
	C	Inserts scope of delivery 3 x Ø 3.5 / 3x Ø 6.5 / 3 x Ø 8.5 / 3 x Ø 10.5	346,08
	D	Inserts scope of delivery 2 x Ø 3.5 / 1x Ø 4.5 / 1 x Ø 5.0 / 1 x Ø 5.5 / 1 x Ø 6.5 / 1 x Ø 8.5 / 1x Ø 9.0 / 1 x Ø 9.5 / 1 x Ø 10.5	346,08
	E	Whitouth any holes	189,26
2	POWER SUPPLY		
	A	100/230 VAC , 50...60 Hz	without
3	POWER CORD		
	A	for Europe	without
	C	for Australia	without
	B	for USA/Canada	without
	D	for UK	without
	?	other	please state as clearly understandable text!
4	Additional order details		Net Price
	Z	without	without
	C	transport bag	285,00
	T	additional text	please state as clearly understandable text!
	P	with ENAC ISO 17025 calibration certificate	436,95
	F	Protocol Communication Modbus RS 485 (Software included)	151,41
Model code: LHC 400 Basic			
Additional text:			

Dry Well Calibrator

Portable temperature calibrator - Model LHC 400 Advance

Specification according data sheet

Temperature range 40...450 °C

Diameter 60 mm

Immersion depth 160 mm

Stability 0.04 °C

Touch screen 4,3 " 0.1 / 0.01 / 0.001 °C resolution

Scope of delivery Certificate 3.1, power cord, Protocol Communication Modbus RS 485 and operating instructions



Field no,	Code	Model	Price EUR
			Basic price
T	LHC 400 Advance		5784,95
			Additional price
1	INSERTS LHC 400		
	G	Insert for IR thermometer (Blackbody)	348,14
	H	Insert for surface probes	348,14
	A	Standard inserts scope of delivery 1 x Ø 3.5 / 1 x Ø 6.5 / 1 x Ø 8.5 / 1 x Ø 10.5	without
	B	Inserts scope of delivery 2 x Ø 3.5 / 2x Ø 4.5 / 2 x Ø 6.5 / 2 x Ø 8.5 / 2 x Ø 10.5	237,93
	C	Inserts scope of delivery 3 x Ø 3.5 / 3x Ø 6.5 / 3 x Ø 8.5 / 3 x Ø 10.5	346,08
	D	Inserts scope of delivery 2 x Ø 3.5 / 1x Ø 4.5 / 1 x Ø 5.0 / 1 x Ø 5.5 / 1 x Ø 6.5 / 1 x Ø 8.5 / 1x Ø 9.0 / 1 x Ø 9.5 / 1 x Ø 10.5	346,08
	E	Whitouth any holes	189,26
2	POWER SUPPLY		
	A	100/230 VAC , 50...60 Hz	without
3	POWER CORD		
	A	for Europe	without
	C	for Australia	without
	B	for USA/Canada	without
	D	for UK	without
	?	other	please state as clearly understandable text!
4	Additional order details		Net Price
	Z	without	without
	C	Transport carry case	396,55
	T	additional text	please state as clearly understandable text!
	P	with ENAC ISO 17025 calibration certificate	436,95
Model code: LHC 400 Advance 1 2 3 4 -			
Additional text:			

Dry Well Calibrator

Portable temperature calibrator - Model LHC 650 Basic

Specification according data sheet

Temperature range	50...650 °C
Diameter	Ø 27mm length 165mm
Immersion depth	120 mm
Stability	±0.1°C
Integrated PID controller	0.1 resolution
Scope of delivery	Certificate 3.1, power cord and operating instructions



Field no,	Code	Model	Price EUR
			Basic price
	T	LHC 650 Basic	3923,59
			Additional price
1	INSERTS LHC 650		
	B	Standard inserts scope of delivery 1 x Ø 3.2 / 1 x Ø 5/ 1 x Ø 6.5/ 1 x Ø 10.5	without
	C	Inserts scope of delivery 1 x Ø 6.5 / 1x Ø 12.5	151,41
	D	Inserts scope of delivery 1 x Ø 4.5 / 1 x Ø 6.5/ 1 x Ø 10.5	173,04
	E	Inserts scope of delivery 1 x Ø 15.7	151,41
	F	Inserts scope of delivery 1 x Ø 17.5	151,41
	G	Inserts scope of delivery 1 x Ø 3.2 / 1 x Ø 5 / 1 x Ø 7 / 1 x Ø 10.5	194,67
	A	Whitouth any holes	129,78
2	POWER SUPPLY		
	A	100/230 VAC , 50...60 Hz	without
3	POWER CORD		
	A	for Europe	without
	C	for Australia	without
	B	for USA/Canada	without
	D	for UK	without
	?	other	please state as clearly understandable text!
4	Additional order details		Net Price
	Z	without	without
	C	transport bag	285,00
	T	additional text	please state as clearly understandable text!
	P	with ENAC ISO 17025 calibration certificate	436,95
	F	Protocol Communication Modbus RS 485 (Software included)	151,41
Model code: LHC 650 Basic 1 2 3 4 -			
Additional text:			

Portable temperature calibrator - Model LHC 650 Advance

Temperature range	50...650 °C
Diameter	Ø 27mm length 165mm
Immersion depth	120 mm
Stability	±0.1°C
Touch screen 4,3 "	0.1 / 0.01 / 0.001 °C resolution
Scope of delivery	Certificate 3.1, power cord, Protocol Communication Modbus RS 485 and operating instructions

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Accessories

Accessories for calibration baths models LCB 30 +/-30 / 50 and LCA 30 +/- 30 / 50

Specifications according to data sheet

Field no,	Code	Version	Price EUR
1	LCB ACCESSORIES		
	03	silicon oil -40 °C ... 125 °C, 10 l container AC 5	800,26
	01	silicon oil -30 °C ... 160 °C, 10 l container AC 10	756,97
	02	silicon oil -20 °C ... 200 °C, 10 l container AC 20	756,97
	05	silicon oil 30 °C ... 220 °C, 10 l container AC 50	680,75
	10	silicon oil 70 °C ... 288 °C, 10 l container AC 100	680,75
2	OPERATING INSTRUCTIONS		
	S	spanish	without
	E	english	without
	G	german	without
4	Additional order details		Net price
	Z	without	
	T	additional text	please state as clearly understandable text!

Model code:	LBAC	-	1	-	2	-	3
Additional text:							

Blackbody LBB 90

Temperature Blackbody - Model LBB 90

Specification according data sheet

Temperature range 30...70 °C

Measurement Diameter 57mm

Stability 0.05°C

Accuracy 0.3°C

Resolution 0.1°C

Scope of delivery Certificate 3.1 Power cord 1.8 mts. and operating instructions



Field no,	Code	Model	Price EUR
			Basic price
	T	LBB 90	1143,41
			Additional price
1	POWER CORD		
	A	for Europe	without
	C	for Australia	without
	B	for USA/Canada	without
	D	for UK	without
	?	other	please state as clearly understandable text!
2	Additional order details		Net Price
	Z	without	without
	P	with ENAC ISO 17025 calibration certificate	447,86
Model code: LBB 90			
Additional text:			

Blackbody LBB 70

Temperature Blackbody - Model LBB 70

Specification according data sheet

Temperature range 30...70 °C

Measurement Diameter 57mm

Stability 0.05°C

Accuracy 0.3°C

Resolution 0.1

Scope of delivery Certificate 3.1 Power cord 1.8 mts. and operating instructions



Field no,	Code	Model	Price EUR
			Basic price
	T	LBB 70	1024,45
			Additional price
1	POWER CORD		
	A	for Europe	without
	C	for Australia	without
	B	for USA/Canada	without
	D	for UK	without
	?	other	please state as clearly understandable text!
2	Additional order details		Net Price
	Z	without	without
	P	with ENAC ISO 17025 calibration certificate	447,86
Model code: LBB 70			
Additional text:			

Relative Humidity Calibrator

Humidity Calibrator - Model Humical

Specification according data sheet

Humidity range	(5 to 95) %RH
Relative ambient humidity	< 80 % HR
Humidity Stability	Better than 0.1% RH
Resolution Humidity	0,01% HR
Temperature range	-10°C to +60°C
Temperature Stability	Better than 0.05°C
Environmental temperature	10 to 35°C



Field no,	Code	Model	Price EUR
			Basic price
	T	Humical	22300,20
			Additional price
1	STANDAR DELIVERY		
	A	RH control range 10...90%	without
	B	Temperature control range 10°C to 50°C	without
	C	*Standard door	without
	D	Desiccant cardridge for Humical	without
	E	Including 3,1 certificate calibrated control RH+T probe.	without
	F	Manual of instructions	without

*Including 6 blind stops, 6 port adapters for calibrated sensors - standard diameters to be chosen (12 mm, 15 mm, 18.5 mm, HMP155)

2	Additional order details		Net Price
	A	Carrying case for Humidity and Temperature Generator Humical	1694,35
	B	RH extended range (5%-95%)	2186,40
	C	Temperature extended range (0..60) °C	2186,40
	D	Temperature extended range (-10..60) °C (includes range 0..60) °C	2961,30
	E	Water level indicator	464,10
	F	Desiccant status indicator	619,50
	G	Read out card for 6 probes (0..2,5 V analog, UART, SDI-12)	497,70
	H	Cable to connect readout card to Humical	207,90
	I	Set converters for 1 channel of readout card to RS-232 and RS-485	291,90
	J	Ambient Monitor (including RHT175 probe, MSB181	2039,10
	K	Relative humidity and temperature probe RH 175	492,45
	L	Cable with Fischer connector to connect RHT175 to Humical	205,80
	M	Atmospheric pressure sensor MSB181	1119,30
	N	Cable with Fischer connector to connect MSB181 to Humical	205,80
	Ñ	Molecular sieve desiccant 0.9 kg	77,70
	O	Spare desiccant cardridge for Humical	391,65
	P	Spare control RH probe for Humical	871,50
	Q	Spare port adapter for sensor port diameter 12 mm, 15 mm, 18.5 mm, HMP155	116,55
	R	Special spare port adapter for sensor port diameter (1 to 18,5 mm)	194,25
	S	Spare port adapter for Rerence port. (MBW 473)	155,40
	T	Spare standard door with 6 + 1 ports	1441,65
	U	Transparent door with double acrylic glass without ports.	2091,60
	V	Transparent door with double acrylic glass with 30 mm	2867,55
	W	Door for MBW 473 RP2 and one 32 mm port for standard probe adapter	2867,55
	X	IMS4 CalibLab for RhT - software license	8141,70

Y	Implementation of a new sensor type	325,50
Z	Customized spreadsheet report for IMS4 CalibLab	747,60

Model code: **Humical**

Additional text:

-

Dew Point Mirror

Dew Point Mirror - Model LCM 473

Specification according data sheet

Relative Humidity range	5...99%RH
Frost/Dew Point	-20...70°C
Temperature (head mount PRT)	-20...80°C
Temperature (cable mount PRT)	-50...100°C



Field no,	Code	Model	Price EUR
			Basic price
	T	LCM 473	25562,95
			Additional price
1	STANDAR DELIVERY		
	A	473 Display Unit, RP2 measuring head with cable 0.5m	without
	C	Temperature probe with cable 3m	without
	B	Power cable, cotton swab pack	without
	D	Calibration documents and instruction manual	without
2	Additional order details		Net Price
	A	Pelican transport case	916,70
	Z	ISO17025 Accredited calibration	consult
	X	Int. barometric pressure sensor (0.1% or 0.01% accuracy, 700...1200 mbar)	consult
	P	Analog outputs (Two user programmable, -10...+10 V and 4...20 mA)	consult
Model code:		LCM 473	-
Additional text:			

Portable Process Calibrators

Portable Process Calibrator - Model LX 229 , LX 329 , LX 529

Specification according data sheet

Accuracy LX229	±0.02%
Accuracy LX329	±0.015%
Accuracy LX529	±0.01%
Operating Temperature Range(°C)	-10°C to 55°C
Temperature range	5°C to 55°C
Temperature accuracy	±0.1°C



Field no,	Code	Model	Price EUR
			Basic price
	T	LX 229	1899,33
	X	LX 329	2111,83
	Y	LX 529	3317,22
			Additional price
1	STANDAR DELIVERY		
	A	Process calibrator, MC leads, U-clamp, short jumpers	without
	C	Power adapter and micro usb cable	without
	B	Portable pack	without
	D	User Manual and Conformity Certificate	without
Model code: LX 229, 329, 529			-
Additional text:			

Terms and conditions

1. Overview

The contract is drawn from a written offer, of an order confirmation or from our shipping and delivery of the invoice. With the acceptance of the goods, our conditions are listed as having been recognized. Differing conditions require a formal written agreement.

To Leyro Instruments SL are firm agreements if their acceptance / reception has been confirmed in writing.

Subject to errors and misprints on prices and technical data as well as changes in the models.

2. Prices

Prices must be understood, excluding VAT for all products, plus transportation costs and packaging, provided they had not agreed otherwise. Leyro Instruments reserves the right however to make a price adjustment because of specific increases in costs (eg salaries , materials).

3. Delivery

In relation with products, delivery usually takes place in Spain, in most cases the next day of the order. If the product is not available or simply not available in sufficient quantities, the customer will receive an order confirmation with the delivery schedule. In the case of a partial delivery, expected delivery prices will be listed. In other products the delivery time will be set by contract. If major cause as wars, epidemics, climatic disasters , among other things, that period shall be extended on a case by case basis.

4. Shipping

All deliveries will be made by the customer's risk and expense. Leyro Instruments SL reserves the right to make deliveries with payment. Claims involving damage, delay or loss should be reported by the recipient to Leyro Instruments SL within 8 days from the entry of the shipment. Complaints about any poor packaging must communicate the same day of the entry of the goods. (Rejection of receipt from the post office or your carrier)

5. Redirection of materials

Computer and industrial products :

There is a right of return to the items belonging to the ranges listed currently Leyro Instruments SL (Internet, catalog) of 8 days from the delivery date. Items must be returned to Leyro Instruments SL with the original packaging in perfect condition, in its entirety, in perfect working order and undamaged. Return shipping must be accompanied by a delivery note or a copy of the invoice which should point the reason for the redirection. If missing such proof of delivery and / or explanation a handling fee will be charged 30 € plus 20% of the value of the returned item. The reissues with incomplete material or damaged items will not be accepted. For the costs incurred by a new restoration will be deducted from payment, or uploaded, the full costs plus a booking fee of 30 € (cumulative). The non-standard products will be accepted only with the base configuration. If Leyro Instruments SL had to return on their own to its base configuration, this additional work will be billed with a cost per hour of work 180 €/ h, in the form of management fees. The reissues of material, after the repayment period may be accepted and approved by Leyro Instruments SL after consultation and only in exceptional cases. For treatment of delayed arrivals reissues a handling fee of 30 euros (cumulative) shall apply. They are excluded from the right to return items that are not part of the current ranges (catalog, internet), which must be specially manufactured (eg pressure gauges with glycerine, pressure transmitters, data loggers, etc.). And goods not can be kept in stock or special that has to be developed specifically

for the order. Will be accepted only with original packaging in perfect condition and unopened batteries, mains power supplies, electrical power supplies, measuring devices and the like, as well as consumables and software in any way. If the above conditions are not met, Leyro Instruments SL has the right to make the corresponding discount on the amounts of payments, to refuse the return or make the bill will be reserved. Upon return the customer will receive a replacement delivery or a subscription.

Products or calibration measurement:

The reissues return material requiring a written authorization agreement Leyro Instruments SL and may take place only if the item is in perfect condition and in the original packaging and if Leyro Instruments SL has them store. The return must be accompanied imperatively a delivery note or a copy of the invoice. No returns will be accepted without the delivery note or invoice copy no. The inconvenience caused to Leyro Instruments SL client will be charged accordingly.

6. Payments

Invoices must be paid within the agreed time. For delayed payments, interest at normal banking delays will be applied.

7. Property Law

The goods delivered remains the property integrated Leyro Instruments SL until it has been full paid.

8. Guarantee

With regard to products datalogger and gauge, Leyro Instruments SL assume twelve months warranty, for temperature measurement systems and hygrometric measurement and calibration standards 24 months from the date of delivery, for defects in materials or workmanship. If it is found during the delivery receipt does not meet the conditions of the contract, the customer must give Leyro Instruments SL the opportunity to correct the deficiencies or may require a replacement delivery. If improvement or substitute delivery is not possible, the buyer may require either a reduction (discount) on the purchase price or cancellation of the contract (renewal). Will be excluded from the warranty, damage caused by wear and tear, force majeure, breach of the rules of use and the operations of the client or of others in devices Leyro Instruments SL without written consent. Leyro Instruments SL will not assume liability for damages of any kind that have been raised by the assembly or by an incorrect use of its products. 2 year performance guarantee for products or computer accessories Leyro Instruments SL. Leyro Instruments SL. guarantees for all products and computer accessories purchased after the year 2013, 2 years performance warranty. This includes a simple performance guarantee on insured property at the time of purchase. Explicitly excludes the warranty on accessory Leyro Instruments SL, network devices, consumable wear parts such as fans and other moving mechanical parts as well as the appearance of natural wear, aging or dirt. Otherwise worth the same exclusions listed under the warranty conditions. To qualify for the guarantee, the apparatus concerned shall be sent to Leyro Instruments SL together with the original invoice Leyro Instruments SL. A previous exchange is not possible. Leyro Instruments SL reserves the right to repair the product, replace or deliver a product equivalent parts. The right to security is limited to the purchase price, any liability for consequential damages or technological changes are explicitly excluded. If it is found, during the delivery, receipt does not meet the conditions of the contract, the customer must give Leyro Instruments SL the opportunity to correct the deficiencies or may require a replacement delivery. If improvement or substitute delivery is not possible, the buyer may require either a reduc-

tion (discount on the purchase price or cancellation of the contract (withdrawal). Are excluded from the warranty damage caused by wear and tear, force majeure, breach of the rules of use and the operations of the client or third party devices Leyro Instruments SL without written consent Leyro Instruments SL assumes no liability for damages of any kind that have been raised by the installation or improper use of their products .

Exclusions and limitations of warranty. This Limited Warranty does not correspond in the following cases (as determined Leyro Instruments SL):

- (I) consumable parts Leyro Instruments SL device, such as batteries and protective layer designed to wear over time , unless the damage was caused by a defect in materials or clothing;
- (II) normal wear and tear of the Leyro Instruments SL device;
- (III) if a person not authorized by Leyro Instruments SL has opened, modified or repaired Leyro Instruments SL device;
- (IV) if it has been damaged or removed serial number of the device Leyro Instruments SL
- (V) a device Leyro Instruments SL in which the damage, the defect or malfunction was caused by and/ or was the result of the following:
 - (a) misuse, moisture or wet parts, corrosion, proximity or exposure to heat, accident, abuse neglect or misuse";
 - (b) use of the device in conjunction with accessories, products, services, software, applications or ancillary or peripheral equipment not expressly approved or provided by Leyro for use with YOUR specific model of device Leyro Instruments SL;
 - (c) all that are not the fault of the device Leyro Instruments SL
 - (d) operation or use of the device Leyro Instruments SL without complying with the appropriate installation guide or standard end user documentation prepared or provided by Leyro Instruments SL, which includes the operating instructions and safety that are available in <http://www.leyroinstruments.com/>.
 - (VI) damage to the surface of any device SL Leyro Instruments, including , among others , cracks, dents or scratches.
 - (VII) any device or accessories supplied with your purchase that is not brand Leyro Instruments SL.
 - (VIII) if YOU can not provide proof of purchase evidencing that YOU are the original purchaser of the device, the date and place of original purchase.

*Except products, according to technical specifications that are intended for specific use.

9. Cancellations

Cancellations of orders are possible only by written agreement of Leyro Instruments SL. The costs that have been incurred, or price increases driven by price reduction, shall be borne by the customer. Partial deliveries with a delivery order shall be executed open within agreed deadlines. Otherwise Leyro Instruments SL agreed, delivery and billing .

10. Jurisdiction

Jurisdiction is established headquarters Leyro Instruments SL Madrid Spain.

Back up your data. YOU should regularly back up data, software and device details Leyro Instruments SL as a safeguard against potential operational problems, even before returning Leyro Instruments SL device. The data backup is YOUR responsibility and not the responsibility of Leyro Instruments SL, which includes, among others, lost or damaged by the use of data synchronization software. We clarify that this Limited Warranty does not cover the back, recovery or reinstallation of YOUR data, software or applications to your device Leyro Instruments SL.

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