## LABORATORY ELECTRONICS LAB-EL Co.



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#### OFFER FOR THE MEASUREMENT DEVICES AND SERVICES OF THE LAB-EL LABORATORY

Offer date: 2024-02-05

Remarks to offer please see on page 7.

#### 1. Hytherographs, hygrometers, psychrometers

Price in EUR

(without VAT tax)
1.1. HYTHEROGRAPH LB-701 WITH A READING PANEL LB-705 - stationary device for measurement

of air humidity and temperature in the rooms; PC interface; memory of 640 measurements

basic version: scope of temperature measurement LB-701:(-40°C...85°C )\*

scope of humidity measurement: 10%... 95% 901,00 additional payment for a version LB-701H: scope of humidity measurement : 0...100% 83,00

additional payment for a version LB-701H: scope of numidity measurement: 0....100% 83,00

 1.2. An extension cord of a connection cable for a hytherograph LB-701
 length 4 m
 17,00

 length 9 m
 30,00

 length 14 m
 37,00

1.3. HYTHEROGRAPH LB-701 WITH A READING PANEL LB-706 (LB-706G) - portable device for measurement

of air humidity and temperature in the rooms; PC interface, a clock, memory of approx.

2600 measurements,

positive opinion from the Central Military Meteorology Center;

basic version: scope of temperature measurement LB-701: (-40°C...85°C )\*

scope of humidity measurement: 10%... 95% 677,00

additional payment for a version LB-701H: scope of humidity measurement: 0...100% 82,67

1.4. HYTHEROGRAPH LB-701 WITH A CONTROL-READING PANEL LB-725A (climate regulator)

converter of the room air conditioners, climate chambers; PC interface;

memory of approx. 4000 measurements; certificate of type form the Central Office of Measures. basic version: scope of temperature measurement LB-701: (-40°C...85°C)\*

scope of humidity measurement: 10%... 95% 1108,00

1.5. HYTHEROGRAPH LB-710 - sensor in an industrial casing, for measurement of air

humidity and temperature;

positive opinion from the Central Military Meteorology Center;

basic version LB-710: scope of temperature measurement: (-40°C...+85°C)\*

scope of humidity measurement: 10%... 95% 461,33
version LB-710H: scope of humidity measurement: 0...100% 543,67

1.6. THERMOHIGROMETER LB-710A - sensor in an industrial casing, for humidity measurement

and air temperature, with display, temperature measurement resolution 0.01°C; 2a \*)

basic version LB-710A: scope of temperature measurement: (-40°C...+85°C)\*

scope of humidity measurement: 10%... 95% 482,00

version LB-710AH: scope of humidity measurement: 0...100% 564,33

1.7. HYTHEROGRAPH LB-710R- sensor in a casing for a meteorological cage LB-719, for measurement of air humidity and temperature, electronics in a silicone filling

	f three standards of the analogue outputs:	
ourrent lean 1m1 20	ma; voltage output 01V; voltage output 010V	
basic version:		
Dasic version.	scope of humidity measurement: 10%95%;	461.2
thermometer LD 7107	scope of temperature measurement: (-40°C+85°C)*	461,3
-	Γ (only temperature measurement):	141,0
nygrometer LB-712vv	(only humidity measurement):	350,6
.9. PSYCHROMETER LB-75	54P WITH A READING PANEL LB-706T - portable device for measurement	
of air humidity and ter	mperature using a psychometric method, PC interface,	
memory of 2600 meas	surements;	708,6
	scope of temperature measurement: 5°C70°C	
	scope of humidity measurement: 5%99,9%	
2. Thermometers		
.1. THERMOMETER - CON'	VERTER LB-489 (4 x thermometer/S300/0-3V, Ethernet output), *a, *19)	505,0
sensor of 1 temperatu	ure TL-4(1 m cable)	50,3
each additional meter		2,3
additional LB-489 opt	ion - power over Ethernet - POE	40,0
· · · · · · · · · · · · · · · · · · ·	onnecting LAB-EL sensor to S300 input, each 1 m	2,3
		_,0
2. THERMOMETER - REAL	DING PANEL, PORTABLE LB-706T (LB-706GT)	
	a sensor, scope -200°C+550°C, memory of minimum 2600 measurements, PC interface;	360,6
3. MEASUREMENT SENSO	ORS FOR COOPERATION WITH A THERMOMETER LB-706T, LB-706GT (without LB-754P):	
	ometric sensor Pt1000, standard realisation TL-2 (-40°C+80°C)*, *6)	55,3
	ometric sensor Pt1000, special realisation a price depends on a sensor type	
	ometric sensors Pt1000, standard realisation TL-2 (-40°C+80°C)*, *6)	105,6
	ometric sensors Pt1000, special realisation a price depends o	,
-	eter (a sensor for measurement of temperature and humidity using a psychometric method)	370,6
	robe for measurement of air temperature and humidity – hytherograph	338,0
4. THERMOMETER LB-710	0TF - inside sensor, scope (-40°C+85°C)*:	132,0
	tside standard sensor TL-2 (-40°C do + 80°C)*, *6)	132,00
I R-710TX with an out	Side Startdard Scristor 12.2 ( 40 C do 1 00 C) , 0)	102,0
•	side special sensor in the scope -100°C + 200°C a price depends o	n a sensor type
	tside special sensor in the scope -100°C+ 200°C, a price depends o	n a sensor typ
LB-710TX with an out		n a sensor typ
LB-710TX with an out	RMOMETER LB-711 - for measurement of temperatures in the scope from -100°C to +200°C	Ţ.
LB-710TX with an out 5. EIGHT CHANNEL THER or from -200°C to +55	RMOMETER LB-711 - for measurement of temperatures in the scope from -100°C to +200°C 50°C ( version LB-711E):	378,6
LB-710TX with an out  5. EIGHT CHANNEL THER  or from -200°C to +55  additional payment fo	RMOMETER LB-711 - for measurement of temperatures in the scope from -100°C to +200°C 50°C (version LB-711E): or each standard sensor TL-2 (-40°C+80°C)*, *6)	378,6 50,3
LB-710TX with an out  5. EIGHT CHANNEL THER  or from -200°C to +55	RMOMETER LB-711 - for measurement of temperatures in the scope from -100°C to +200°C 50°C (version LB-711E): or each standard sensor TL-2 (-40°C+80°C)*, *6)	378,6 50,3
LB-710TX with an out  5. EIGHT CHANNEL THER or from -200°C to +55 additional payment for	RMOMETER LB-711 - for measurement of temperatures in the scope from -100°C to +200°C 50°C ( version LB-711E): or each standard sensor TL-2 (-40°C+80°C)*, *6) or each special sensor  a price depends o	378,6 50,3
LB-710TX with an out  5. EIGHT CHANNEL THER or from -200°C to +55 additional payment for additional payment for	RMOMETER LB-711 - for measurement of temperatures in the scope from -100°C to +200°C 50°C (version LB-711E):  or each standard sensor TL-2 (-40°C+80°C)*, *6)  or each special sensor  a price depends o  2T - industrial sensor for temperature measurement in the scope (-40°C+85°C)*,	378,6 50,3
LB-710TX with an out  5. EIGHT CHANNEL THER or from -200°C to +55 additional payment for additional payment for  6. THERMOMETER LB-712 it can have one out of	RMOMETER LB-711 - for measurement of temperatures in the scope from -100°C to +200°C 50°C ( version LB-711E): or each standard sensor TL-2 (-40°C+80°C)*, *6) or each special sensor  a price depends o	378,6 50,33

LB-532P - barometer - pressure measurement range: 700 hPa1100 hPa	255,67
LB-532TP - thermometer, barometer - measuring range like LB-532 + LB-532P	263,33
LB-532TWP - thermometer, hygrometer, barometer - measuring range like LB-532 + LB-532P  LB-532TWL - thermometer, hygrometer, light meter - measuring range like LB-532 + 180 kLux	460,00 460,00
LB-532TWPL -thermometer, hygrometer, barometer, light meter - range like LB-532TWL + 180 kLux	499,33
3.2. TERMO-HIGRO-BAROMETER LB-575THP (built-in sensors, graphic display, -40 + 85°C, 10 95% RH, 500 1100 hPa, memory of 960000 records, min / max / average of measurements,	
optical and audible alarms, USB interface (via LB-376A)	584,67
	001,01
3.3. HYTHEROGRAPH LB-701 WITH A PANEL BAROMETER LB-706B (LB-706GB) - portable thermohygrobarometer	
LCD display; PC interface; memory of approx. 1550 measurements;	
basic version: scope of pressure measurement: 700hPa1100hPa	
scope of humidity measurement LB-701: 10% 95%	
scope of temperature measurement LB-701: (-40°C+85°C)*	1032,00
additional payment for a version LB-701H: scope of humidity measurement: 0100%	82,67
3.4. Panel-barometer LB-706B (LB-706GB), basic version, without a thermohygrobarometer LB-701 PC interface; memory of approx. 3900 measurements;	694,00
3.5. Protective cover (shoulder bag)	30,33
o.c. Trotocaro cover (choulder bag)	00,00
3.6. BAROMETER LB-750, PC interface, internal measurement memory, a clock;	
version LB-750B: full scope of measurement: 700hPa1100hPa	1635,00
version LB-750W: scope of measurement: 10hPa1100hPa	1635,00
Model LB-750W must be calibrated in the external calibration laboratory (see point 13.2)	
Recorders cooperate with PC with use of the program LOGGER - see p. 11.9.  4.1 THERMOMETER RECORDER LB-516T (-30 +85°C +/-1°C) *b)	127 00
4.1. THERMOMETER RECORDER LB-516T (-30+85°C, +/- 1°C), *b),	127,00
4.2.1. THERMOMETER RECORDER LB-516AT (-30+85°C, +/- 1°C), *b), 4.2.2. HYTHEROGRAPH RECORDER LB-516A (-30+85°C, +/- 1°C), *b),	137,00 253,67
THE TO STATE THE CONTROL OF THE STATE OF THE	200,01
4.3. THERMOHIGROMETER RECORDER LB-518 BLE-LOGGER (-25+65°C, 0100% RH, memory 15,000 records,	
wireless, data reading with an ANDROID smartphone with the STORE-LOGGER application), * 2d)	152,00
4.4.1. HYTHEROGRAPH LB-523A (Wi-Fi, USB, memory, display, -20 + 60°C, 10 95% RH), * 2a)	595,33
4.4.2. THERMOMETER LB-523AT (Wi-Fi, USB, memory, display, -20 + 60°C, internal sensor), * 2a),	434,67
4.4.3. THERMOMETER LB-523ATX (Wi-Fi, USB, memory, display, external sensor), * 2a),	
with standard sensor (-40 ° C to + 80 ° C) *, * 6)	434,67
with special sensor (-100 + 200 ° C) depends on a sensor type	
with special sensor (-200 + 550 ° C) depends on a sensor type 4.4.4. HOLDER LB-528A for mounting LB-523 on the wall (in the room, in the car)	16,67
4.4.4. HOLDEN ED-320A for mounting EB-323 on the wall (in the foolit, in the car)	10,07
4.6.1. HYTHEROGRAPH LB-524 (GSM/GPRS, USB, memory, display, -20+60°C, 1095% RH	
internal sensors, battery and external supply, external antenna with SMA connector), *2a)	587,00
4.6.2. TERMOMETR LB-524T (GSM/GPRS, USB, memory, display, -20+60°C, internal sensor,	
battery and external supply, external simple antenna with SMA connector), *2a)	502,00
4.6.3. HYTHEROGRAPH with BAROMETER LB-524B (GSM/GPRS, USB, memory, display, -20+60°C,	
1095% RH, 5001100 hPa, internal sensors, battery and external supply,	602.22
external simple antenna with SMA connector), *2a) 4.6.4. HYTHEROGRAPH with LIGHT meter LB-524S (GSM/GPRS, USB, memory, display, -20+60°C,	602,33
1095% RH, 0180 klx, internal sensors, battery and external supply,	
external simple antenna with SMA connector), *2a)	602,33
4.6.5. HYTHEROGRAPH with LIGHT meter and BAROMETER LB-524BS (GSM/GPRS, USB, memory,	
display, -20+60°C, 1095% RH, 5001100 hPa, 0180 klx, internal sensors, battery and external supply,	
external simple antenna with SMA connector), *2a)	671,33
4.6.6.THERMOMETER LB-524T4 (14 external sensors, GSM/GPRS, USB, memory, display, battery and external supply,	E03 33
external simple antenna with SMA connector), *2a), price without sensors	503,33

with 1 pcs of TL-2/1m standard sensor ( -40°C do +80°C)*, *6)		553,6
with 4 pcs of TL-2/1m standard sensors ( -40°C do +80°C)*, *6)		704,6
additionally for special sensors (-100+200°C)	depends on a sensor type	
additionally for special sensors (-200+550°C)	depends on a sensor type	
.6.7. POWER SUPLY 230V/9V DC (for LB-524)		20,0
.6.8. Accumulator battery Ni-MH Eneloop HR-3UTGB Sanyo or BK-3MCC Panasonic (set for	LB-524 - 4 psc)	20,0
.6.9. Battery charger for Eneloop NC-MQN09W		45,3
.6.10. Plastic handle LB-528B for hanging logger LB-524 series on the wall		17,3
.7.1. HYTHEROGRAPH-RECORDER LB-535 (wireless, memory, display, -30+80°C, 109	95% RH), *2a)	587,0
.7.2. THERMOMETER LB-535T (wireless, memory, display, -30+80°C, internal sensor), *2a	a),	587,0
7.3. THERMOMETER LB-535TX (wireless, memory, display, external sensor), *2a),		
with a standard sensor ( -60°C do +80°C)*, *6)		552,3
additional payment for a special sensor (-100+200°C)	depends on a sensor type	
additional payment for a special sensor (-200+550°C)	depends on a sensor type	
NTERFACES AND SOFTWARE FOR PC FOR THE LAB-EL RECORDERS, ASSEMBLY HAI	NDLE:	
.8.1. Stand LB-528 – multi-function stand for a recorder series LB-520		23,0
.8.2. Handle with a lock LB-529 – for installation of a recorder series LB-520 on a wall		41,0
(license extension for LBX program)	as in LB	X price lis
5. The meters of other climate parameters and carbon dioxide c	oncentration	
5.1. WIND SPEED AND DIRECTION METER LB-746; a device can cooperate with one of the	displaying panels or the recorders	1060.2
Anemometer LB-746 is built based on the mechanical elements of USA production  Anemometer mechanics LB-746 (no internal electronic system)		1960,3 1708,6
Anemometer LB-747 is built based on the mechanical elements of British production (v	,	
Anemometer LB-747 is built based on the mechanical elements of British production (value Anemometer LB-747P – measurement of only wind speed (no direction, with a holder falue Anemometer mechanics LB-747 (no internal electronic system, with a holder for a mass	with a holder for a mast) for a mast)	908,0
Anemometer LB-747 is built based on the mechanical elements of British production (value Anemometer LB-747P – measurement of only wind speed (no direction, with a holder falue Anemometer mechanics LB-747 (no internal electronic system, with a holder for a mass	with a holder for a mast) for a mast)	908,0
Anemometer LB-747 is built based on the mechanical elements of British production (value Anemometer LB-747P – measurement of only wind speed (no direction, with a holder of Anemometer mechanics LB-747 (no internal electronic system, with a holder for a mas 5.2.2. WIND METER CONVERTER LB-380 (for LB-747 mechanic, outputs: 010V, 420mA)  5.3. ATMOSPHERIC RAINFALL METER; a device can cooperate with one of	with a holder for a mast) for a mast)	908,0
Anemometer LB-747 is built based on the mechanical elements of British production (value Anemometer LB-747P – measurement of only wind speed (no direction, with a holder of Anemometer mechanics LB-747 (no internal electronic system, with a holder for a mas 5.2.2. WIND METER CONVERTER LB-380 (for LB-747 mechanic, outputs: 010V, 420mA)  5.3. ATMOSPHERIC RAINFALL METER; a device can cooperate with one of the displaying panels or the recorders	with a holder for a mast) for a mast)	908,0
Anemometer LB-747 is built based on the mechanical elements of British production (value Anemometer LB-747P – measurement of only wind speed (no direction, with a holder of Anemometer mechanics LB-747 (no internal electronic system, with a holder for a massical WIND METER CONVERTER LB-380 (for LB-747 mechanic, outputs: 010V, 420mA)  5.3. ATMOSPHERIC RAINFALL METER; a device can cooperate with one of	with a holder for a mast) for a mast)	908,00 1213,00 245,6
Anemometer LB-747 is built based on the mechanical elements of British production (value Anemometer LB-747P – measurement of only wind speed (no direction, with a holder of Anemometer mechanics LB-747 (no internal electronic system, with a holder for a mas 5.2.2. WIND METER CONVERTER LB-380 (for LB-747 mechanic, outputs: 010V, 420mA)  5.3. ATMOSPHERIC RAINFALL METER; a device can cooperate with one of the displaying panels or the recorders	with a holder for a mast) for a mast) st)	908,0 1213,0 245,6 967,6
Anemometer LB-747 is built based on the mechanical elements of British production (value Anemometer LB-747P – measurement of only wind speed (no direction, with a holder of Anemometer mechanics LB-747 (no internal electronic system, with a holder for a mas 5.2.2. WIND METER CONVERTER LB-380 (for LB-747 mechanic, outputs: 010V, 420mA)  5.3. ATMOSPHERIC RAINFALL METER; a device can cooperate with one of the displaying panels or the recorders rain gauge ARG314 rain gauge RG50 with a heater	with a holder for a mast) for a mast) st)	908,0 1213,0 245,6 967,6
Anemometer LB-747 is built based on the mechanical elements of British production (value Anemometer LB-747P – measurement of only wind speed (no direction, with a holder of Anemometer mechanics LB-747 (no internal electronic system, with a holder for a massical WIND METER CONVERTER LB-380 (for LB-747 mechanic, outputs: 010V, 420mA)  6.3. ATMOSPHERIC RAINFALL METER; a device can cooperate with one of the displaying panels or the recorders rain gauge ARG314 rain gauge RG50 with a heater	with a holder for a mast) for a mast) st)	908,0 1213,0 245,6 967,6 be settle
Anemometer LB-747 is built based on the mechanical elements of British production (value Anemometer LB-747P – measurement of only wind speed (no direction, with a holder of Anemometer mechanics LB-747 (no internal electronic system, with a holder for a mass 5.2.2. WIND METER CONVERTER LB-380 (for LB-747 mechanic, outputs: 010V, 420mA)  5.3. ATMOSPHERIC RAINFALL METER; a device can cooperate with one of the displaying panels or the recorders rain gauge ARG314  rain gauge RG50 with a heater  5.4. SUN RADIATION METER LB-900/LB-901 – in a version with a sensor:	with a holder for a mast) for a mast) st)	908,0 1213,0 245,6 967,6 be settle
Anemometer LB-747 is built based on the mechanical elements of British production (value Anemometer LB-747P – measurement of only wind speed (no direction, with a holder of Anemometer mechanics LB-747 (no internal electronic system, with a holder for a mass 5.2.2. WIND METER CONVERTER LB-380 (for LB-747 mechanic, outputs: 010V, 420mA)  5.3. ATMOSPHERIC RAINFALL METER; a device can cooperate with one of the displaying panels or the recorders rain gauge ARG314  rain gauge RG50 with a heater  5.4. SUN RADIATION METER LB-900/LB-901 – in a version with a sensor: without a sensor, ready for connecting external sensor	with a holder for a mast) for a mast) st)	908,0 1213,0 245,6 967,6 be settled 247,6 402,6
Anemometer LB-747 is built based on the mechanical elements of British production (value Anemometer LB-747P – measurement of only wind speed (no direction, with a holder of Anemometer mechanics LB-747 (no internal electronic system, with a holder for a mass 5.2.2. WIND METER CONVERTER LB-380 (for LB-747 mechanic, outputs: 010V, 420mA)  5.3. ATMOSPHERIC RAINFALL METER; a device can cooperate with one of the displaying panels or the recorders rain gauge ARG314  rain gauge RG50 with a heater  5.4. SUN RADIATION METER LB-900/LB-901 – in a version with a sensor: without a sensor, ready for connecting external sensor with a silicon photodiode	with a holder for a mast) for a mast) st)	908,00 1213,00 245,6 967,6 be settled 247,6 402,6 1275,0
Anemometer LB-747 is built based on the mechanical elements of British production (value Anemometer LB-747P – measurement of only wind speed (no direction, with a holder of Anemometer mechanics LB-747 (no internal electronic system, with a holder for a mass 5.2.2. WIND METER CONVERTER LB-380 (for LB-747 mechanic, outputs: 010V, 420mA)  6.3. ATMOSPHERIC RAINFALL METER; a device can cooperate with one of the displaying panels or the recorders rain gauge ARG314  rain gauge RG50 with a heater  6.4. SUN RADIATION METER LB-900/LB-901 – in a version with a sensor: without a sensor, ready for connecting external sensor  with a silicon photodiode  with a sensor Kipp & Zonen SP LITE	with a holder for a mast) for a mast) st)	908,00 1213,00 245,6 967,6 be settled 247,6 402,6 1275,00 3527,3
Anemometer LB-747 is built based on the mechanical elements of British production (value Anemometer LB-747P – measurement of only wind speed (no direction, with a holder of Anemometer mechanics LB-747 (no internal electronic system, with a holder for a massocial system).  5.2.2. WIND METER CONVERTER LB-380 (for LB-747 mechanic, outputs: 010V, 420mA)  6.3. ATMOSPHERIC RAINFALL METER; a device can cooperate with one of the displaying panels or the recorders rain gauge ARG314  rain gauge RG50 with a heater  6.4. SUN RADIATION METER LB-900/LB-901 – in a version with a sensor: without a sensor, ready for connecting external sensor  with a silicon photodiode  with a sensor Kipp & Zonen SP LITE  with a sensor Kipp & Zonen NR LITE	with a holder for a mast) for a mast) st)	908,0 1213,0 245,6 967,6 be settled 247,6 402,6 1275,0 3527,3 2155,3
Anemometer LB-747 is built based on the mechanical elements of British production (wath Anemometer LB-747P – measurement of only wind speed (no direction, with a holder of Anemometer mechanics LB-747 (no internal electronic system, with a holder for a mass of 2.2.2. WIND METER CONVERTER LB-380 (for LB-747 mechanic, outputs: 010V, 420mA)  5.3. ATMOSPHERIC RAINFALL METER; a device can cooperate with one of the displaying panels or the recorders rain gauge ARG314  rain gauge RG50 with a heater  5.4. SUN RADIATION METER LB-900/LB-901 – in a version with a sensor: without a sensor, ready for connecting external sensor with a silicon photodiode  with a sensor Kipp & Zonen SP LITE  with a sensor Kipp & Zonen NR LITE  with a sensor Kipp & Zonen CMP3  with a sensor Kipp & Zonen CMP21	with a holder for a mast) for a mast) st)	908,00 1213,00 245,6 967,6 be settled 247,6 402,6 1275,00 3527,3 2155,3 1798,6
Anemometer LB-747 is built based on the mechanical elements of British production (wath Anemometer LB-747P – measurement of only wind speed (no direction, with a holder of Anemometer mechanics LB-747 (no internal electronic system, with a holder for a mass of 2.2.2. WIND METER CONVERTER LB-380 (for LB-747 mechanic, outputs: 010V, 420mA)  5.3. ATMOSPHERIC RAINFALL METER; a device can cooperate with one of the displaying panels or the recorders rain gauge ARG314  Train gauge RG50 with a heater  5.4. SUN RADIATION METER LB-900/LB-901 – in a version with a sensor:  without a sensor, ready for connecting external sensor  with a selicon photodiode  with a sensor Kipp & Zonen SP LITE  with a sensor Kipp & Zonen NR LITE  with a sensor Kipp & Zonen CMP3  with a sensor Kipp & Zonen PQS1	with a holder for a mast) for a mast) st)	908,00 1213,00 245,6 967,6 be settled 247,6 402,6 1275,00 3527,3 2155,3 1798,6
Anemometer LB-747 is built based on the mechanical elements of British production (wath Anemometer LB-747P – measurement of only wind speed (no direction, with a holder of Anemometer mechanics LB-747 (no internal electronic system, with a holder of Anemometer mechanics LB-747 (no internal electronic system, with a holder for a massivate of the system of the convergence of the last of the system of the system of the displaying panels or the recorders rain gauge ARG314 and gauge RG50 with a heater of the system of th	with a holder for a mast) for a mast) st)	908,0 1213,0 245,6 967,6 be settled 247,6 402,6 1275,0 3527,3 2155,3 1798,6 7393,6
Anemometer LB-747 is built based on the mechanical elements of British production (v. Anemometer LB-747P – measurement of only wind speed (no direction, with a holder of Anemometer mechanics LB-747 (no internal electronic system, with a holder for a mass 5.2.2. WIND METER CONVERTER LB-380 (for LB-747 mechanic, outputs: 010V, 420mA)  6.3. ATMOSPHERIC RAINFALL METER; a device can cooperate with one of the displaying panels or the recorders rain gauge ARG314 rain gauge RG50 with a heater  6.4. SUN RADIATION METER LB-900/LB-901 – in a version with a sensor: without a sensor, ready for connecting external sensor with a silicon photodiode with a sensor Kipp & Zonen SP LITE with a sensor Kipp & Zonen NR LITE with a sensor Kipp & Zonen CMP3 with a sensor Kipp & Zonen CMP21 with other Kipp & Zonen sensors - please ask  6.5. ULTRASOUND SNOW / WATER METER SR50A	with a holder for a mast) for a mast) st)	908,0 1213,0 245,6 967,6 be settled 247,6 402,6 1275,0 3527,3 2155,3 1798,6 7393,6
Anemometer LB-747 is built based on the mechanical elements of British production (v. Anemometer LB-747P – measurement of only wind speed (no direction, with a holder of Anemometer mechanics LB-747 (no internal electronic system, with a holder for a mass 2.2.2. WIND METER CONVERTER LB-380 (for LB-747 mechanic, outputs: 010V, 420mA)  3.3. ATMOSPHERIC RAINFALL METER; a device can cooperate with one of the displaying panels or the recorders rain gauge ARG314 rain gauge RG50 with a heater  3.4. SUN RADIATION METER LB-900/LB-901 – in a version with a sensor: without a sensor, ready for connecting external sensor with a silicon photodiode with a sensor Kipp & Zonen SP LITE with a sensor Kipp & Zonen NR LITE with a sensor Kipp & Zonen CMP3 with a sensor Kipp & Zonen CMP21 with other Kipp & Zonen sensors - please ask  3.5. ULTRASOUND SNOW / WATER METER SR50A	with a holder for a mast) for a mast) st)	908,00 1213,00 245,6 967,6 be settled 247,6 402,6 1275,00 3527,3 2155,3 1798,6 7393,6
Anemometer LB-747 is built based on the mechanical elements of British production (vanemometer LB-747P – measurement of only wind speed (no direction, with a holder for a mass and the mechanics LB-747 (no internal electronic system, with a holder for a mass and the displaying panels or the recorders rain gauge ARG314 rain gauge ARG314 rain gauge RG50 with a heater  3.4. SUN RADIATION METER LB-900/LB-901 – in a version with a sensor: without a sensor, ready for connecting external sensor with a sensor Kipp & Zonen SP LITE with a sensor Kipp & Zonen NR LITE with a sensor Kipp & Zonen CMP3 with a sensor Kipp & Zonen CMP21 with other Kipp & Zonen sensors - please ask  3.5. ULTRASOUND SNOW / WATER METER SR50A  3.6. SURFACE MOISTURE METER LB-910  3.7.1. ANEMOMETER Kestrel 2000 – portable, turbine meter of air flow and temperature	with a holder for a mast) for a mast) st)	908,00 1213,00 245,6 967,6 be settled 247,6 402,6 1275,00 3527,3 2155,3 1798,6 7393,6 1763,00
Anemometer LB-747 is built based on the mechanical elements of British production (v Anemometer LB-747P – measurement of only wind speed (no direction, with a holder of Anemometer mechanics LB-747 (no internal electronic system, with a holder for a mass of the displaying panels or the recorders rain gauge ARG314 rain gauge ARG314 rain gauge RG50 with a heater  5.4. SUN RADIATION METER LB-900/LB-901 – in a version with a sensor: without a sensor, ready for connecting external sensor with a sensor Kipp & Zonen SP LITE with a sensor Kipp & Zonen NR LITE with a sensor Kipp & Zonen CMP3 with a sensor Kipp & Zonen CMP21 with other Kipp & Zonen sensors - please ask  6.5. ULTRASOUND SNOW / WATER METER SR50A  6.6. SURFACE MOISTURE METER LB-910  6.7.1. ANEMOMETER Kestrel 2000 – portable, turbine meter of air flow and temperature of ANEMOMETER Kestrel 3000 - as Kestrel 2000 plus measurement of air humidity	with a holder for a mast) for a mast) st)  price to	908,00 1213,00 245,67 967,67 be settled 247,67 402,67 1275,00 3527,33 2155,33 1798,67 7393,67 1763,00 241,67
Anemometer LB-747 is built based on the mechanical elements of British production (vanemometer LB-747P – measurement of only wind speed (no direction, with a holder for a mass and the mechanics LB-747 (no internal electronic system, with a holder for a mass and the mechanics LB-747 (no internal electronic system, with a holder for a mass and the mechanic of the displaying panels or the recorders rain gauge ARG314 rain gauge ARG314 rain gauge RG50 with a heater  5.4. SUN RADIATION METER LB-900/LB-901 – in a version with a sensor:  without a sensor, ready for connecting external sensor  with a silicon photodiode  with a sensor Kipp & Zonen SP LITE  with a sensor Kipp & Zonen NR LITE  with a sensor Kipp & Zonen CMP3  with a sensor Kipp & Zonen CMP3  with a sensor Kipp & Zonen CMP21  with other Kipp & Zonen sensors - please ask  5.5. ULTRASOUND SNOW / WATER METER SR50A  5.6. SURFACE MOISTURE METER LB-910  5.7.1. ANEMOMETER Kestrel 2000 – portable, turbine meter of air flow and temperature for the measurement of air humidity  5.7.3. ANEMOMETER Kestrel 5000 - as Kestrel 2000 plus measurement of air humidity  5.7.3. ANEMOMETER Kestrel 5000 - as Kestrel 3000 plus pressure measurement & registry in the meter of air flow and temperature and the measurement	with a holder for a mast) for a mast) st)  price to	1413,00 908,00 1213,00 245,60 967,60 be settled 247,60 402,60 1275,00 3527,30 2155,30 1798,60 7393,60 1763,00 241,60 499,30 629,00
Anemometer LB-747 is built based on the mechanical elements of British production (v Anemometer LB-747P – measurement of only wind speed (no direction, with a holder of Anemometer mechanics LB-747 (no internal electronic system, with a holder for a mass of the displaying panels or the recorders rain gauge ARG314  rain gauge ARG314  rain gauge RG50 with a heater  5.4. SUN RADIATION METER LB-900/LB-901 – in a version with a sensor:  without a sensor, ready for connecting external sensor  with a silicon photodiode  with a sensor Kipp & Zonen SP LITE  with a sensor Kipp & Zonen NR LITE  with a sensor Kipp & Zonen CMP3  with a sensor Kipp & Zonen CMP21  with other Kipp & Zonen sensors - please ask  6.5. ULTRASOUND SNOW / WATER METER SR50A  6.6. SURFACE MOISTURE METER LB-910  6.7.1. ANEMOMETER Kestrel 2000 – portable, turbine meter of air flow and temperature  6.7.2. ANEMOMETER Kestrel 3000 - as Kestrel 2000 plus measurement of air humidity	with a holder for a mast) for a mast) st)  price to	908,00 1213,00 245,67 967,67 be settled 247,67 402,67 1275,00 3527,33 2155,33 1798,67 7393,67 1763,00 241,67

### CO2 CARBON DIOXIDE CONCENTRATION METERS (SENSORS)

5.8. CO2 METER LB-852 (without display), measurement range: 010000 ppm	532,00
outputs: 010V, S300, *2a)	40.00
option: power supplay LB-830 for TS35 mount,	18,33
option: air filter - for LB-760/LB-762 systems)	26,67
5.9. CO2 MATER LB-853 (without display), measurement range: 010000 ppm	363,67
OUTPUTS: 010V, 2 relays	
0011 010. 010V, 210ldy0	
5.10. CO2 and temperature METER / regulator LB-854 (measurement range: 010000 ppm, 050°C)	701,33
display, 2 transmitter outputs, outputs: 010V,, 4-20 mA, RS-232, S300	
TL-4/N - external sensor of temperature (1 m cable)	50,33
5.11. MODULE collection of environmental data / CO2 meter LB-856 (without display)	628,00
measurement range: 010000 ppm, output: Ethernet; inputs: S300, 010V,	020,00
external temperature sensor, *2a)	
6. Universal reading, registry and regulation panels,	
measurement systems, LAB-EL meteorological stations	
6.1. CURRENT CONVERTER LB-371- for connecting the meters with an interface S300to an input RS232C	42,33
with a galvanic separation, outside calculator feeder, joints DB25/DB25	
Additional adapter for RS-232 - DB25/DB9 LB-373	13,00
6.2. CURRENT CONVERTER LB-375- for connecting the meters with an interface S300to an input USB	58,00
with a galvanic separation, powered from USB, *a), *c), *19)	30,00
USB/USB cable - LB-375 accesory	3,33
ODFOOD Cable - EB-070 accessiy	3,33
6.3. TEMPERATURE REGULATOR LB-474 – input for 2 sensors Pt100/Pt1000, 5 transmitter key outputs	309,67
6.4. CONCENTRATOR RECORDER LB-476 - 8 inputs, memory, RS-232/485 & alarm outputs	503,33
additional payment for optionally built-in interface Ethernet 10/100 (version LB-476E)	116,67
additional paymont for optionally bank in interface Euromot 10/100 (10/0/0/128 11/02)	110,01
6.5. DATA ACQUISITION MODULE LB-480 Ethernet, memeory, display, SD), *a), *19)	
8 inputs: S300/0-20mA/0-10V/Tremistor/Pt1000, 3 optional interface modules	1158,67
6.6. DATA ACQUISITION MODULE LB-490 Ethernet, memeory, big graphic display, SD), *a), *19)	<u> </u>
16 inputs: S300/0-20mA/0-10V/Tremistor/Pt1000, 6 optional interface modules, sleep function	2038,00
6.7. Additional options for LB-480 and LB-490:	
additional internal POE supply module	49,33
LB-499-RS232 module with RS-232 interface, galvanic isolation	105,00
LB-499-RS485 module with RS-485 interface, galvanic isolation	105,00
LB-499-REL2 module with two relays SPDP 2A/250VAC	50,67
LB-499-EL-WAVE module for wireless comunication with LB-525A	88,67
LB-499-GSM module for GSM communication (GPRS and SMS service)	135,67
LB-499-GPS module with GPS receiver (localization and time service)	181,00
LB-499-AIN module with additional 3 inputs S300/0-20mA/0-10V	139,67
LB-499-Ally module with additional 3 imputs 3300/0-20mA/0-10V	139,07
6.9. DYNAMIC AIR DRYER CONTROLLER LB-720A, the set, military version:	
hytherograph LB-710M2 (metal housing, military version)	538,33
panel - regulator LB-722 v4 (military version)	1054,33
programmer LB-721 (military version)	127,67
0.40 OLIMATE DEGLII ATOD FOR MUQUIDOOM ODOMINO LIB 7004 OLIB 700	
6.10. CLIMATE REGULATOR FOR MUSHROOM GROWING LB-760A & LB-762 – measurement, regulation	
and registry of base temperature, air temperature and humidity	
and CO2 concentration see price calculation according to a separate statement of expenses	

# 7. Simple climate indicators

### 7.1. Simple thermometers

7.1.1. THERMOMETER WT-1	20,67
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#### 7.2. Simple hytherographs

7.2.1. HYTHEROGRAPH LB-103 (min/max memory, big display) 66,33

## 8. Moisture meters for building industry and soil

(with no calibration certificate)

8.1. MATERIALS' MOISTURE METER LB-796A - multifunction device

basic set for moisture measurement of wood, concrete, brick etc., capacitance method	503,33
additional resistance probe LB-796RC for wall materials + metal dowel	31,00
additional universal resistance probe LB-796RUT with temperature sensor	104,00
spare parts - plate electrode type C: for thin materials, for probe LB-796RUT	10,33
spare parts - sand sensor needles type D: 10cm, for probe LB-796RUT	11,67
additional needle hammer probe for wood LB-796RMT, internal temperature sensor	120,67
spare parts - wooden sensor needles type E: 10 mm, dia. 3 mm, for probe LB-796RMT and LB-796RUT	9,33
spare parts - wood sensor needles type F: 15 mm, dia. 3 mm, for probe LB-796RMT and LB-796RUT	10,33
additional probe for temperature measurement of any medium - thermometer TL-2/796/DB9	65,33
additional probe for air temperature and humidity measurement - HYTHEROGRAPH LB-710CB	309,33
program LB79x for modification of calibration data for various materials, PC cable	35,33
.1. Additional probe for bulk materials (with the container) LB-798	528,33
.2. Additional probe for bulk materials and soil (with the needles) LB-797	704,33
.3. Panel LB-796P (without internal probe) for reading data from sensors LB-797, LB-798	302,00
4. Program LB79x for modification of calibration data for various materials, PC cable, power supply	35,33

#### 9. Interfaces for the LAB-EL meters, PC software

	CALCIII ATOD	OF MOISTURE	(DC program)
9. I. LAD-LL	CALCULATOR		(FC bloulaill)

158,33

9.2. Program LOGGER for PC for data readout from a recorder, graph, archive for: LB-515 (interface LB-513, LB-514), LB-516, LB-520 (interface LB-521), LB-726, LB-755A, logger PASTYLKA: 21G, 21H, 22L i 23 (interface LB-513P)

134,00

9.3. PROGRAM SCADA LBX/STANDARD (processes visualization, synoptic screens, alarms, the archiving, diagrams, etc.)

price depends on a program configuration, available modification to individual client's requirements

basic module-visualization of 1 device 134,00
support module of an additional measurement device series LB-xxx 31,67
support module of an additional client to a server 116,67
support module of an additional MODBUS register (universal driver) 6,67
for each additional 12 months of the warranty extension counted from the day of ending the last warranty period

30% of the initial price of the set

9.4. PROGRAM "BASIC" - for conecting various LAB-EL devices to PC - price included in devices price

minimum 120,33

10. Calibration of hytherographs, hygrometers, thermometers, psychrometers, dew point hygrometers, barometers, in the Humidity, Temperature and Pressure Laboratory LAB-EL

Price depends on a number of sensors checked and checked temperatures

- Accredited Laboratory - AP 067

https://www.label.pl/po/cennik\_lab-el\_labo.pdf https://www.label.pl/po/zakres-akredytacji-laboratorium-ap067.pdf



#### 11. Measurements of room microclimate - Accredited Laboratory - AB 679

Price after agreements the scope of works

https://www.label.pl/po/zakres-akredytacji-laboratorium-ab679.pdf

#### REMARKS TO THE OFFER:

\* Attention: Scope of work temperatures of the standard PCV cables equals: in permanent installations: -30°C...+70°C, and in mobile connections -5°C...+70°C. Upon request – the cables for an extended scope of temperature are available: silicone -50°C...+180°C and teflon -80°C...+250°C.



- \*1) To the net prices provided above one needs to add vat tax 23% (inside Poland) or 0% (for export or EU delivery).
- \*2) Devices can be connected to the PC with using of the following software:
  - \*2a) "LBX" program (not included in the device price, offer look at point 11.3 in the price-list)
  - \*2b) "LOGGER" program (not included in the price of the device, offer look at point 11.2 in the price-list)
  - \*2c) "DEDICATED" programs (included in the price of devices)

LOGGER or LBX programs are covered by a 24-month warranty calculated from the date of invoice issue.

The guarantee authorizes you to download the updates from the website: http://www.label.pl/po/ix.soft.html.

After this period, we offer a subscription for further updates in accordance with the offer from the price list. 11.3.

Programs can be downloaded from the address: http://www.label.pl/po/ix.soft.html

- \*3) The meters' price does not include the calibration certificates (offer for certificates see pint 13...15).
- \*4) New hytherographs, hygrometers, thermometers and barometers produced by LAB-EL can have the calibration certificates calibrations from an accredited Calibration Laboratory LAB-EL in a promotion price.
  - it does not apply to LB-103, LB-104, WT1 and LB-515P.
  - it does not apply to barometer LB-750W, calibrated in external laboratory.
- \*5) Standard sensor in the thermometers is of TL-2 type (diameter 5,8 mm, length 100 mm, cable length 1 m).
- \*6) Sensor TL-2 with 1 meter cable. Additional cable length add 1,50 EUR/m.
- \*7) Additional length of a casing shield for the standard TL-2 sensors additional payment 0,50 EUR/cm.
- \*8) Offer's realisation period: from 1 day to 2 months.
- \*9) Payment prepayment by wire transfer only.
- \*10) We assure 24 months warranty for our products and a full after warranty service performed at the company's headquarters.
- \*11) For the not LAB-EL production devices we assure 12 months warranty.
- \*12) Transport and insurance are paid by a client (prices EXW).
- \*13) We provide assistance in installing / configuring the devices.
- \*14) We perform device modifications according to a client's individual needs.
- \*15) This offer is not an offer in the understanding of the Civil Code.
- \*16) We reserve a right to change the prices that results from the changes in the exchange rates during a period in which this price list is being effective.
- \*17) The price list is valid only until a new one is announced.
- \*18) Standard cables are not included in the sets, must be ordered separately (USB, Ethernet,...)
- \*19) All orders and agreements should be in written form only and should be signed by all persons authorised by law.
- \*20) Information about technical parameters of the devices offered available at:

https://climateloggers.com/ https://www.label.pl/



# **Check our actual prices in the Internet:**