



## PRICE LIST 2023

Price list is valid from 1<sup>st</sup> February 2023. All previous price lists are not valid from this date. Prices are in EUR, without VAT and shipment. Manufacturer reserves right to change prices when costs or exchange rate change.

<b>THERMOMETERS AND MANOMETERS.....</b>	<b>2</b>
Technical thermometers.....	2
Thermometers for household.....	3
Capillary thermometers and manometers.....	3
Oven thermometers.....	3
Accessories for thermometers and manometers.....	4
<b>THERMOSTATS AND THERMAL CUTOUTS.....</b>	<b>4</b>
Capillary thermostats and thermal cutouts.....	4
Stem thermostats.....	5
Bimetallic thermostats and thermal cutouts.....	5
Accessories for thermostats and thermal cutouts.....	6
<b>HEAT COST ALLOCATORS, WATER METERS.....</b>	<b>7</b>
Heat cost allocators.....	7
Water meters and heat meters.....	7
Accessories for heat cost allocators and water meters.....	7
Other products.....	8
<b>SERVICES.....</b>	<b>8</b>
Calibration of bimetallic thermometers.....	8
Other services.....	9

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## THERMOMETERS AND MANOMETERS

(Calibration prices are listed at the end of the Price list)

### Technical thermometers

#### **Stainless steel thermometers**

			<b>EUR</b>
Straight thermometer TR 60	up to 60 mm	stem – stainless steel	11,15
	100 mm	stem – stainless steel	11,65
	160 mm	stem – stainless steel	13,10
	250 mm	stem – stainless steel	14,30
	400 mm	stem – stainless steel	16,05
Straight thermometer TR 100	up to 60 mm	stem – stainless steel	12,90
	100 mm	stem – stainless steel	13,40
	160 mm	stem – stainless steel	13,85
	250 mm	stem – stainless steel	16,05
	400 mm	stem – stainless steel	20,65
	630 mm	stem – stainless steel	29,60
	1 000 mm	stem – stainless steel	39,30
1 500 mm	stem – stainless steel	50,95	
Straight thermometer TR 120	60 mm	stem – stainless steel	17,95
	100 mm	stem – stainless steel	18,45
	160 mm	stem – stainless steel	18,95
	250 mm	stem – stainless steel	20,35
	400 mm	stem – stainless steel	26,70
	630 mm	stem – stainless steel	33,45
	1 000 mm	stem – stainless steel	43,20
	1 500 mm	stem – stainless steel	60,65
Angle thermometer TU 60	100 mm	stem – stainless steel	20,85
	160 mm	stem – stainless steel	21,65
	250 mm	stem – stainless steel	23,05
	400 mm	stem – stainless steel	24,55
Angle thermometer TU 100	100 mm	stem – stainless steel	23,80
	160 mm	stem – stainless steel	24,55
	250 mm	stem – stainless steel	25,50
	400 mm	stem – stainless steel	28,60
	630 mm	stem – stainless steel	42,70
	1 000 mm	stem – stainless steel	51,95
	1 500 mm	stem – stainless steel	66,45
Angle thermometer TU 120	100 mm	stem – stainless steel	26,20
	160 mm	stem – stainless steel	27,20
	250 mm	stem – stainless steel	28,15
	400 mm	stem – stainless steel	32,50
	630 mm	stem – stainless steel	46,10
	1 000 mm	stem – stainless steel	56,75
	1 500 mm	stem – stainless steel	70,85
<b>Plastic head thermometers</b>			
Straight thermometer DTR	up to 160 mm	stem – stainless steel	15,30
	250 mm	stem – stainless steel	16,70
	400 mm	stem – stainless steel	21,60
	630 mm	stem – painted steel	35,65
	1 000 mm	stem – painted steel	38,90
	1 500 mm	stem – painted steel	53,30



EUR

Angle thermometer DTU	100 mm	stem – stainless steel	21,30
	160 mm	stem – stainless steel	21,80
	250 mm	stem – stainless steel	22,25
	400 mm	stem – stainless steel	26,85
	630 mm	stem – painted steel	40,75
	1 000 mm	stem – painted steel	48,15
	1 500 mm	stem – painted steel	60,90

#### Other technical thermometers

Contact thermometer DKR 250	to 160 mm		60,60
	250 mm		61,90
	400 mm		68,75
	630 mm		87,35

Thermometer TT60			7,80
Surface thermometer DTTR			13,20
Heat-conductive ring DTTR			0,90
Probing thermometer TRV			54,65

#### Thermometers for household



Wall thermometer VNT (plastic board with digital print)			26,40
Wall thermometer VNT-B (slate board with laser print)			32,10
Wall thermometer VNT-D (wooden composite board with laser print)			26,90
Stove capillary thermometer TKS 60			27,55
Flue gas thermometer TRS 60			21,15
Flue gas thermometer TRS 100			23,80
Wall thermometer DTN			22,50
Wall thermometer T 120 N			20,35
Sauna thermometer T 120 S			21,30
Thermometer for fruit preservation DTD 2			11,60
Thermometer for smokehouse, BBQ and grill (TR100, 0-260°C, stem length 250 mm)			25,30
Thermometer for smokehouse, BBQ and grill (TR100, 0-260°C, stem length 400 mm)			26,35
Thermometer for smokehouse, BBQ and grill (TR60, 0-260°C, stem length 100 mm)			19,20
Table thermometer DTST			12,05
Window thermometer DTOK			10,70

#### Capillary thermometers and manometers



Capillary thermometer TCS 48	capillary length 1 450 mm	7,40
Capillary thermometer TCS 60	capillary length 1 450 mm	7,40
Manometer MCS 48	capillary length 920 mm	19,40
Manotherm MTCC 60	capillary length 1 450 mm (therm. part) 920 mm (man. part)	24,20

#### Oven thermometers



Oven thermometer DTSP		26,00
Oven thermometer DIT 40.2		4,85
Oven thermometer DIT 41.1		6,75
Oven thermometer DIT 41.2		23,15

## Accessories for thermometers and manometers



			EUR
Thermometer well	50 mm	painted (thread M20x1,5 or G1/2")	5,60
		chromed (thread M20x1,5 or G1/2")	6,45
	65 mm	brass/copper, thread G1/2"	7,10
		stainless steel PN40 (thread M20x1,5 or G1/2")	11,90
		painted (thread M20x1,5 or G1/2")	5,65
	105 mm	chromed (thread M20x1,5 or G1/2")	6,55
		brass/copper, thread G1/2"	7,15
		stainless steel PN40 (thread M20x1,5 or G1/2")	14,80
	165 mm	painted (thread M20x1,5 or G1/2")	5,80
		chromed (thread M20x1,5 or G1/2")	6,70
		brass/copper, thread G1/2"	7,35
	255 mm	stainless steel PN40 (thread M20x1,5 or G1/2")	15,65
		painted (thread M20x1,5 or G1/2")	6,00
		chromed (thread M20x1,5 or G1/2")	7,35
	405 mm	brass/copper, thread G1/2"	8,05
		stainless steel PN40 (thread M20x1,5 or G1/2")	20,90
		painted (thread M20x1,5 or G1/2")	6,05
	635 mm	chromed (thread M20x1,5 or G1/2")	7,75
		brass/copper, thread G1/2"	8,80
		stainless steel PN40 (thread M20x1,5 or G1/2")	14,10
	1 005 mm	painted (thread M20x1,5)	16,55
		chromed (thread M20x1,5)	17,25
	1 505 mm	painted (thread M20x1,5)	19,30
		chromed (thread M20x1,5)	19,30
Weld-on piece stainless		(inner thread M20x1,5 or G1/2")	10,45
Weld-on piece steel		(inner thread M20x1,5 or G1/2")	3,65
Adjustable screw socket	for stem ø 8 mm	zinc coated – blue chromate	2,30
		chromed	2,85
	for stem ø 12 mm	zinc coated – blue chromate	2,45
		chromed	3,10
Back-pressure valve ZV4.4			2,70
Attachment (both variants of screw)			2,25
Flue gas well heat-resistant			14,70
Accessories for TKS (both variants)			13,50

## THERMOSTATS AND THERMAL CUTOUTS

### Capillary thermostats and thermal cutouts

(Price for both angular and straight design of RT thermostat is the same.)



KR 10.DR	7-77 °C	capillary length	500 mm	2 terminals	8,30
KR 10	7-77 °C	capillary length	500 mm	2 terminals	8,30
KR 20	35-95 °C	capillary length	1 000 mm	2 terminals	8,45
KR 11.TR	7-77 °C	capillary length	1 000 mm	3 terminals	8,45
KR 11	7-77 °C	capillary length	500 mm	3 terminals	8,60
KR 21	35-95 °C	capillary length	1 000 mm	3 terminals	8,90

					EUR
RT 8801.01	0-40 °C	capillary length 1 000 mm	2 terminals		9,05
RT 8802.01A	35-95 °C	capillary length 1 459 mm	2 terminals		9,20
RT 8803.02	7-77 °C	capillary length 500 mm	2 terminals		8,90
RT 8804.01	50-190 °C	capillary length 1 000 mm	2 terminals		9,10
RT 8804.01	50-250 °C	capillary length 1 000 mm	2 terminals		9,20
RT 8804.01	50-320 °C	capillary length 1 000 mm	2 terminals		8,70
RT 8804.01	50-320 °C	capillary length 1 500 mm	2 terminals		8,90
RT 8801.011	0-40 °C	capillary length 1 000 mm	3 terminals		9,05
RT 8803.021	7-77 °C	capillary length 500 mm	3 terminals		9,85
RT 8804.011	50-190 °C	capillary length 1 000 mm	3 terminals		10,55
RT 8804.011	50-320 °C	capillary length 1 000 mm	3 terminals		10,55
RT 8824.011	-15-+310 °C	capillary length 1 500 mm	3 terminals		14,45
KNTP 8812.02	35-99 °C	capillary length 1 000 mm	single-pole	**	8,80
KNTP 8813.02	35-80 °C	capillary length 500 mm	single-pole	**	8,80
KNTP 8814.02	50-320 °C	capillary length 900 mm	single-pole	**	9,05
KNTP 8823.02	35-99 °C	capillary length 500 mm	double-pole	**	11,15
STB 89.76	85-110 °C	capillary length 2 000 mm	single-pole	**	10,90

## Stem thermostats



TH 20					60,65
TH 140					64,15
TH 140 PZP 16				**	59,80
TH 141					63,60
TH 143					59,25
TH 144					58,75
TH 160		2 terminals, with cover			30,55
TH 160.1		2 terminals, without cover			30,55
TH 160.2		3 terminals			35,50
TH 162				**	31,45
TH 163					31,75
TH 164					32,00
TH 165				**	31,45
TH 166					31,45
TH 167					32,55
TH 167.1					34,80
TH 169					32,55
TH 220					70,35
TH 221					65,50
TH 260					120,85
TH 261					119,85
TH 810.2				**	43,65

## Bimetallic thermostats and thermal cutouts



TH 470					8,20
TH 470.1					8,20
TH 470.2					8,70

	<b>EUR</b>
TH 472 RA / TH 472 ZA	* 8,70
TH 472 RB / TH 472 ZB	* 9,00
TH 472 RC / TH 472 ZC	* 9,00
TH 472 RD / TH 472 ZD	* 9,50
TH 473 RA / TH 473 ZA	* 10,20
TH 473 RB / TH 473 ZB	* 10,70
TH 476 RA	* 11,15
TH 476 RB	* 10,70
TH 480 RA / TH 480 ZA	* 10,70
TH 480 RB / TH 480 ZB	* 10,20
TH 480 RC / TH 480 ZC	* 10,20
TH 480 RD / TH 480 ZD	* 10,70
TH 490	9,70

### Accessories for thermostats and thermal cutouts

Thermostat well	TH 20	9,25
	TH 140 + 143	9,60
	TH 140 PZP 16	8,25
	TH 141 + 144	8,00
	TH 160, TH 169	8,85
	TH 162 + TH 163	6,65
	TH 164 + TH 165	7,30
	TH 166	7,40
	TH 167	8,35
TH 140 – cover		2,15
Terminal cover		1,35
Button for capillary thermostat	white shaped button	0,85
	black flat button	0,85
	grey flat button	0,85
	black convex button	0,85
Button backplate	white backplate	0,50
	white printed backplate	0,75
	black backplate	0,50
Capillary cutout holder		0,35

## HEAT COST ALLOCATORS, WATER METERS

(These products are distributed via authorized technical-business partners and are not intended for individual sale.  
Please contact us for further informations.)



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### Heat cost allocators

#### Electronic heat cost allocators

E-ITN 30	2 temperature sensors	visual, IR, radio reading	42,90
E-ITN 30	2 temperature sensors, external sens.	visual, IR, radio reading	73,50
E-ITN 40	2 temperature sensors	visual, NFC, radio reading	53,05

### Water meters and heat meters



Water meter JS02 DN 15 (Apator Powogaz)	modification for E-RM 30	26,55
Water meter JS02 DN 20 (Apator Powogaz)	modification for E-RM 30	30,60
Radio module E-RM 30		40,80
Water meter JS02 DN 15 / module E-RM 30 (10+1 yr.)	water meter including radio module	69,40
Water meter JS02 DN 20 / module E-RM 30 (10+1 yr.)	water meter including radio module	73,50

Household water meters Apator Powogaz	price upon request
Industrial water meters Apator Powogaz	price upon request
Combined water meters Apator Powogaz	price upon request
Heat meters Apator Powogaz	price upon request

### Accessories for heat cost allocators and water meters

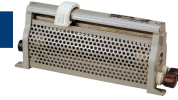
#### Accessories for heat cost allocators and water meters

Reading unit IRU 10.00	102,10
Reading unit RFU 35	265,35
Reading unit RFU 40	347,15
Panel antenna for RFU 35 or RFU 40 (8,7 dBi) including antenna cable	117,50
Antenna cable for panel antenna	40,80
Antenna reduction for panel antenna	40,80
Car antenna for RFU including antenna cable	117,50
Central reading system CRS 40	price upon request
Wireless M-BUS reading systems (Apator Telemetria/Apator Powogaz)	price upon request

Mounting lever for E-ITN 30	47,00
Labelled mechanical seal for E-ITN 10	0,60
Labelled mechanical seal for E-ITN 20/30	0,60
Seal for E-RM 30	0,50
Sealing pliers for E-RM 30	163,40

Extra pay for spacer 45	2,00
Extra pay for tubular radiator spacer	20,40
Clamp I	1,00
Clamp III	1,10
Clamp IV	1,20

## Other products



EUR

### Sliding cylindrical resistors - discount

OPK 200x30	0,16 A	3 900 Ω	62,55
OPK 200x30	0,25 A	1 850 Ω	62,55
OPK 200x30	0,4 A	580 Ω	62,55
OPK 200x30	0,63 A	200 Ω	62,55
OPK 200x30	1 A	100 Ω	73,85
OPK 200x30	1,6 A	42 Ω	73,85
OPK 200x30	4 A	6,4 Ω	73,85
OPK 200x30	6,3 A	2,2 Ω	76,25
OPK 300x45	0,16 A	9 800 Ω	81,50
OPK 300x45	0,25 A	4 600 Ω	81,50
OPK 300x45	0,4 A	1 450 Ω	81,50
OPK 300x45	0,63 A	500 Ω	81,50
OPK 300x45	1 A	250 Ω	86,65
OPK 300x45	1,6 A	105 Ω	86,65
OPK 300x45	4 A	16 Ω	97,95
OPK 300x45	6,3 A	5,5 Ω	102,35
OPK 500x60	0,16 A	23 400 Ω	94,25
OPK 500x60	0,25 A	10 000 Ω	94,25
OPK 500x60	0,4 A	3 500 Ω	94,25
OPK 500x60	0,63 A	1 200 Ω	94,25
OPK 500x60	1 A	570 Ω	98,90
OPK 500x60	1,6 A	250 Ω	104,65
OPK 500x60	4 A	39 Ω	127,15
OPK 500x60	6,3 A	13 Ω	141,75

### Accessories for sliding cylindrical resistors

Dropper OPK 30 / Dropper OPK 45 / Dropper OPK 60	13,90
Roller OP	15,05
Clamp M4 OPK, OOPK	3,25
Clamp M5 OPK, OOPK	3,70

## SERVICES

### Calibration of bimetallic thermometers

#### Thermometers TR, TU, DTR, DTU, DKR

Calibration	-30-50 °C	7 calibration points	23,20
	0-120 °C	9 calibration points	23,20
	0-160 °C	7 calibration points	23,20
	0-200 °C	9 calibration points	26,40
	0-350 °C	6 calibration points	26,40
	0-450 °C	8 calibration points	29,10

#### Thermometers T 120 S / N, DTN

Calibration T 120 S / N		7 calibration points	23,20
Calibration DTN	-30-50 °C	9 calibration points	23,20
	-10-50 °C	7 calibration points	23,20



## Other services

		<b>EUR</b>
Logo on thermometer scale	up to 2 colours	price upon request
Outsourcing		contract price

### NOTES:

\*) Prices are valid if at least 2000 pieces are ordered. For lesser orders, prices are calculated as follows:

Quantity (pcs)	Price (% of basic price)
1 – 10	1 000
11 – 100	600
101 – 500	300
501 – 2 000	150
≥ 2 000	100

\*\*) Extra payment 2 EUR/pc is invoiced when less than 100 pcs is ordered.