



Test Equipment for Temperature and its Traceability / Pt100 Precision RTD Temperature Probe (902721)

- Pt100 precision RTD temperature probe
- For temperatures from -200 to +450 °C
- Test equipment calibrated by DAkkS (DKD – German calibration service)
- Measurement results are traceable to national standards



Order details

		(1) Basic type		
		902721/10	Precision resistance thermometer to EN 60 751 Pt100 4-wire / Lemos connector / connecting cable / -50 to +250°C	
		902721/15	Precision resistance thermometer to EN 60 751 Pt100 4-wire / Lemos connector / connecting cable / -200 to +450°C	
			(2) Diameter prot. tube	
X	X	3,00	3mm	
X	X	4,50	4,5mm	
			(3) Insertion length	
X		200,00	200,0mm	
X	X	300,00	300,0mm	
	X	400,00	400,0mm	
			(4) Packaging	
X	X	10	In twist-pack	
			(5) Calibration	
X	X	000	Without calibration	
X	X	774	DAkkS (DKD) calibration with resistance value chart (calibration value: 0, 100 and 200°C)	
X	X	775	DAkkS (DKD) calibration points to be specified by customer	
			(6) Connection wire length	
X	X			

Order code

(1) (2) (3) (4) (5) (6)
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Quantity discount:

As of 5 pieces: 5 %

As of 10 pieces: 10 %

As of 25 pieces: please inquire

Important information:

For extra code "774" standard calibration the temperatures 0, 100, and 200 °C are used as test points.

Other and additional test points can be selected under extra code "775".

Temperature probe connection

The scope of delivery includes a 1.5 m silicone-insulated connecting cable!

Prices for test certificates (sales no.: 90/00318950)
Calibration of temperature probes

Number of test pieces	1	2 to 5	6 to 10	> 10
Price per test certificate	68.70 EUR (+ 6,70 EUR per additional test certificate)			
Total price per test point in EUR For - RTD Temperature probe* - Temperature measuring chain* (with coefficients / value table) - Thermocouples	88,40	132,50	152,55	152,55 +surcharge 10,45/piece
Total price* per test point in EUR For - Data logger - Direct-reading thermometers / temperature measuring chains (display values only) - Thermometer with transmitter	53,40	80,90	88,90	88,90 +surcharge 7.50/piece

* For RTD temperature probes made of platinum and temperature measuring chains with the appropriate version of temperature probe, probe coefficients and table of values are determined and added to the calibration certificate if the design allows it (as of three test points, for minus ranges at least four test points)!

Calibration of indicating devices

Price per test certificate	68.70 EUR (+ 6.70 EUR per additional test certificate)
Total price per channel/test point in EUR	6.70 EUR

The specified total price includes all test pieces per test point. For the calculation of each unit price the total price has to be divided by the number of test pieces. **As a result, larger quantities will considerably reduce the test costs.**

Important information about test certificates:

Acceptance test certificates according to EN 10204 are manufacturer certificates and can only be issued by the manufacturer. For products supplied by other manufacturers a test verification is issued automatically.

The measured values specified in the acceptance test certificate are not accepted by a court. Legally it can only be used for confirmation of standards and their compliance.

In all test certificates and test verifications the working standards connected to the PTB and the applied measuring equipment are specified. Therefore, the required traceability (e.g. due to certification according to ISO 9000) is ensured.

Prices for DAkkS calibrations (sales no.: 90/00501973)
Calibration of temperature probes

Number of test pieces	1	2 to 5	6 to 10	> 10
Price per calibration certificate	103.00 EUR (+ 20,10 EUR per additional calibration certificate)			
Total price per test point in EUR For - RTD Temperature probe* - Temperature measuring chain* (with coefficients / value table) - Thermocouples	133,80	196,10	225,95	225,95 +surcharge 14.85/piece
Total price* per test point in EUR For - Data logger - Direct-reading thermometers / temperature measuring chains (display values only) - Thermometer with transmitter	69,85	101,25	120,55	125,55 +surcharge 10.45/piece
Total price* per test point in EUR For - Temperature calibrators and block calibrators	227,15			

* For RTD temperature probes made of platinum and temperature measuring chains with the appropriate version of temperature probe, probe coefficients and table of values are determined and added to the calibration certificate if the design allows it (as of three test points, for minus ranges at least four test points)!

Calibration of indicating devices

Price per calibration certificate	82.45 EUR (+ 6.70 EUR per additional test certificate)
Total price per channel / test point in EUR	6.70 EUR

The specified total price includes all test pieces per test point. For the calculation of each unit price the total price has to be divided by the number of test pieces. **As a result, larger quantities will considerably reduce the test costs.**

Important information about DAkkS (DKD) calibration certificates:

In a DAkkS (DKD) calibration certificate the national standards, the connected working standards, the applied measuring equipment, and the respective measurement uncertainty are specified. Therefore, the required traceability (e.g. due to certification according to DIN ISO 9000) is ensured.

For test points as of 300 °C upwards the probe length of the test piece has to be at least 400 mm!

Important information about block calibrators:

For temperature block calibrators the spatial and temporal temperature constancy is also measured.

For all recalibrations and verification tests JUMO (inhouse), which are recommended once each year, JUMO grants an additional discount of 10 % on the above mentioned prices, plus a handling fee of 100 EUR per order.



Accessories see price sheet:

- Test Equipment for Temperature and its Traceability / Temperature Measuring Chains (902721)
- Pipe Screw Connections (909750)
- Flanges (909750)
- Connectors for RTD Temperature Probe (909760)