

Test Equipment for Temperature and its Traceability / Temperature Measuring Chains (902721)

- Precision temperature indicating device
- Includes Pt100 precision RTD temperature probe
- Also available with thermocouple for higher temperatures
- USB interface
- Mains operation possible
- Test equipment calibrated by DAkkS (DKD – German calibration service)
- Measurement results are traceable to national standards



Order details

				(1) Basic type	
				902722/20	Precision indicator P700 1-channel / resolution 0.1°C / -200 to +850°C Pt100, thermocouples: type K, J, L, N, R, S, T
				902722/25	Precision indicator P705 2-channel / resolution 0.1°C / -200 to +850°C Pt100, thermocouples: type K, J, L, N, R, S, T
				902722/30	Precision indicator P750 1-channel / resolution 0.01°C / 0.1°C / -200 to +850°C Pt100, thermocouples: type K, J, L, N, R
				902722/35	Precision indicator P755 2-channel / resolution 0.01°C / 0.1°C / -200 to +850°C Pt100, thermocouples: type K, J, L, N, R
				(2) Operating temperature in °C	
X	X	X	X	135	-200..+450°C (precision resistance thermometer)
X	X	X	X	150	-200..+600°C (resistance thermometer), version 902240/20...
X	X	X	X	185	-200..+1200°C (thermocouples), version 901240/20-1043... incl. adapter cable
X	X	X	X	385	-50..+250°C (precision resistance thermometer)
X	X	X	X	415	-50..+600°C (resistance thermometer), version 902240/20...
				(3) Diameter prot. tube	
X	X	X	X	1,90	Ø 1,9mm (only for operating temperature (choice /code) 150, 185 and 415) *
X	X	X	X	3,00	3mm
X	X	X	X	4,50	4,5mm
X	X	X	X	6,00	Ø 6,0mm (only for operating temperature (choice/code) 150, 185 and 415) *
				(4) Insertion length	
X	X	X	X	200,00	200,0
X	X	X	X	300,00	300,0
X	X	X	X	400,00	400,0
X	X	X	X	50,00 - 1000,00	50 - 1000
				(5) Number of temperature probes	
X	X	X	X	1	1 temperature probe
X	X	X	X	2	2 temperature probes
				(6) Extra codes	
X	X	X	X	000	Without extra code
X	X	X	X	773	DKD calibration (standard, display values only)
X	X	X	X	774	DKD calibration (standard, with table of resistance values)
X	X	X	X	775	DKD calibration (as service, specify calibration points in plain text)
X	X	X	X	781	Power supply 230V AC for P700-series
X	X	X	X	782	Service case (plastic) with foam rubber padding
X	X	X	X	923	DE-Graph evaluation software
X	X	X	X	926	With memory for 6000 data values

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:

2025-10-25

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	51.25 EUR (+ 5.00 EUR per additional test certificate)			
Total price per test point in EUR For - RTD Temperature probe* - Temperature measuring chain* (with coefficients / value table) - Thermocouples	65.90	98.85	113.80	113.80 +surcharge 7.75/piece
Total price* per test point in EUR For - Data logger - Direct-reading thermometers / temperature measuring chains (display values only) - Thermometer with transmitter	39.80	60.30	66.35	66.35 +surcharge 5.55/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	51.25 EUR (+ 5.00 EUR per additional test certificate)
Total price per channel / test point in EUR	5.00 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	76.90 EUR (+ 15 EUR per additional calibration certificate)			
Total price per test point in EUR For - RTD Temperature probe* - Temperature measuring chain* (with coefficients / value table) - Thermocouples	99.85	146.50	168.55	168.55 +surcharge 11.05/piece
Total price* per test point in EUR For - Data logger - Direct-reading thermometers / temperature measuring chains (display values only) - Thermometer with transmitter	52.10	75.45	89.85	89.85 +surcharge 7.75/piece
Total price* per test point in EUR For - Temperature calibrators and block calibrators	169.40			

* 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	61.50 EUR (+ 5.00 EUR per additional test certificate)
Total price per channel / test point in EUR	5.00 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, which are recommended once each year, JUMO grants an additional discount of 10 % on the above mentioned prices!

Accessories see price sheet:

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