

## P750 / P755 / P755-LOG

### Application profile

The multi-function-instruments are outstanding for their high accuracy of  $\pm 0,03^{\circ}\text{C}$ . You can optional plug in Pt100 or thermocouple (type J, K, L, N, R, S, T), as well as probes for humidity and flow. The high precision makes them eminently suitable as reference instruments.

### Areas of application

For testing subordinate measuring instruments in quality assurance laboratories or for checking temperature-critical processes. These instruments are frequently provided with a DKD calibration certificate.

Also available as explosion-proof version page 27.

### Example

P755 with connected Pt100 probe  
(6000-1018)



-200 °C...+1760 °C

Pt100

Typ J, K, L, N, R, S, T

USB

m/s

% rF

Pa

MAX-MIN-HOLD

DIF-AVG

5000-0750

5000-0755



### Technical data

<b>Input:</b>	Pt100, 4-wire Thermocouple type K, J, L, N, R, S, T rel. humidity, flow
<b>Measuring range:</b>	
<b>Pt100:</b>	-200°C...+850°C (EN 60751)
<b>Thermocouple:</b>	-200°C...+1760°C (EN 60584-1)
<b>Humidity:</b>	0 %...100 %rF
<b>Flow:</b>	0 ... 40 m/s
<b>Differential pressure:</b>	0 ... 3500 Pa
<b>Resolution:</b>	0.01°C from -200°C...+200°C otherwise 0.1°C, 0.1%, 0.01 m/s
<b>Accuracy:</b>	
<b>Pt100:</b>	$\pm 0.03^{\circ}\text{C}$ from -50°C...+199.99°C $\pm 0.05^{\circ}\text{C}$ from -200°C...-50.01°C otherwise $\pm 0.05\%$ of reading
<b>Thermocouple:</b>	$\pm 1.0^{\circ}\text{C} + 0.1\%$ (Type R, S) of reading $\pm 0.2^{\circ}\text{C}$ from 0°C...+200°C (Type K, J, L, N, T) $\pm 0.5^{\circ}\text{C}$ to 1,000°C $\pm 1.0^{\circ}\text{C}$ remaining range
<b>Humidity:</b>	$\pm 1.5\%rH$ (2...98%)
<b>Flow:</b>	1% of end of value
<b>Differential pressure:</b>	$\pm 1\%$ , +1Pa
<b>Memory:</b>	6,000 measurements (P755-LOG only)
<b>5000-0750</b>	P750 hand-held instrument, 1-channel, Pt100, thermocouple, rel. humidity, dew point, flow without probe and software
<b>5000-0755</b>	P755 hand-held instrument, 2-channel, Pt100, thermocouple, rel. humidity, dew point, flow without probe and software
<b>5000-0755L</b>	P755-LOG hand-held instrument, as P755, with memory for 6,000 measurements