

P700 / P705

-200 °C...+1760 °C

PRT (Pt100)

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

USB

MAX-MIN-HOLD

DIF-AVG

**Application profile**

The all-round talent for temperature measurements with Pt100 sensor over a range of -200°C to +850°C and thermocouple (type J, K, L, N, R, S, T) to +1760°C with a resolution of 0.1°C over the full measuring range.

**Areas of application**

Ideal for quality assurance, service and production. Also available as explosion-proof version page 28.



**Beispiel / Example**

P700 with connected Pt100 probe (6000-1001)



5000-0700

5000-0705

**Technical data**

- Input:** Pt100, 4-wire  
Thermocouple type K, J, L, N, R, S, T
- Measuring range:**
  - Pt100:** -200°C...+850°C (EN 60751)
  - Thermocouple:** -200°C...+1760°C (EN 60584-1)
- Resolution:** 0.1 °C
- Accuracy:**
  - Pt100:** ±0.1°C from -100°C...+200°C  
0.1% remaining range
  - Thermocouple:** ±1.0°C +0.1% (Type R, S)  
±0.2°C from 0°C...+200°C (Type K, J, L, N, T)  
±0.5°C to 1000°C  
±1.0°C remaining range

- 5000-0700** P700 hand-held instrument, 1-channel, Pt100, thermocouple type J, K, L, N, R, S, T without probe and software
- 5000-0705** P705 hand-held instrument, 2-channel, Pt100, thermocouple type J, K, L, N, R, S, T without probe and software