

JUMO dicoTEMP 100

Smart tube for temperature measurement



Overview of the new features

- Diverse temperature measurement for increased process reliability
- Combination of a platinum chip temperature sensor with a thermostat or a dial thermometer in a tube
- Reduced planning and installation effort because only one measuring point is required
- Maximum flexibility with data use – various output signals such as resistance, analog, or digital are available
- Flexible operation through use of different combination devices and probe diameters
- Functional extension of existing plants



Brief overview

The smart tube for temperature measurement combines the strengths of several JUMO devices. The new solution allows the user to continue using the measuring devices (thermostats and dial thermometers) that are already integrated into the process at the same measuring point and, at the same time, functionally extend them with electrical temperature measurement.

Other advantages

- ▶ Simple startup
- ▶ Diverse temperature measurement based on 2 different measuring principles
- ▶ Thanks to the smart tube only one measuring point required for a diverse temperature measurement
- ▶ Compact system
- ▶ Various output signals – resistance, analog, and digital
- ▶ Plug and Play functionality

Application areas

- ▶ Transformer and compressor engineering
- ▶ Service field (retrofit)
- ▶ Hydraulic units
- ▶ Mechanical and plant engineering in general, especially water treatment plants

Technical data

Designation	JUMO dicoTEMP 100
Data sheet	608740
Material	Stainless steel
Transmitters	4 to 20 mA or IO-Link
Protection type	IP66, IP67, IP69
Sensor	Pt100 or Pt1000 in four-wire circuit with M12 connection
Insertion length	65 to 300 mm
Probe diameter	6, 8, or 10 mm
Process connection	Thread for screwing in G1/2", G1", smooth pipe
Process temperatures	-40 to +260 °C
Ambient temperatures	-40 to +85 °C

