JUMO DELOS T

Electronic temperature switch with display and analog output

Features

- **Multi-functional application: measuring, converting, displaying, switching**
- **Local, brilliant LC display, display can be rotated 180°, color changes from yellow to red in the event of fault**
- **Configuration via rotary encoder or setup program**
- **Connection by M12 connector**
- **Protection rating IP 67**
- **Stainless steel housing and protection fitting**
- **Process connections with EHEDG certification**
- **Low space requirement and easy assembly**

Technical data

Operating temperature
- Variants for –50 to +150 °C
- Variants for –50 to +260 °C with extension tube
- Variants for –50 to +500 °C with remote temperature sensor

Measuring insert
Pt 1000 in a 4-wire circuit

Tolerance class
Class A , Class AA option

Output
- 1 x switching output
- 2 x switching output
- 1 x switching output and 1 x analog output, freely configurable
- Analog output: 0(4) – 20 mA , 0 – 10 V three wires

Protection tube
- Standard diameter 6 mm
- Remote variant for fast processes
- Parts in contact with the medium are electropolished
- Surface roughness Ra <= 0,8 µm

Process connections
- For standard applications
- For the food and pharmaceutical industry

Power supply
12 – 30 V DC

Ambient conditions
Permissible housing temperature –25 to +75 °C

Areas of application

- Food and beverage industry
- Breweries
- Dairies
- Pharmaceutical industry
- CIP/SIP systems
- Machine and system construction

PR 90048 EN

High-profile products and services

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Controllers, Power units, System/Recording technology

- Process controls and programmers
- Automation software
- Electronic thermostats/microstats
- Safety temperature monitor/limiter
- Digital indicators
- Process controller
- Recording instruments
- Temperature transmitters
- Thyristor power switches/power units
- Software and accessories

Analytical Measurement

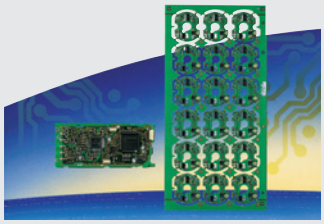
- pH/redox: sensors and transmitters/controllers
- Conductivity instrumentation: conductive and inductive
- Dissolved oxygen measurement
- Chlorine, chlorine dioxide, ozone, hydrogen peroxide and peracetic acid instrumentation
- Fittings and accessories

Thermostats and Dial Thermometers

- Panel and surface mounting thermostats in TR, TW, TB, STW and STB versions
- Room thermostats
- Warm-air thermostats
- Ex thermostats (ATEX)
- Electronic thermostats
- Dial thermometers as indicating and control instruments
- Bimetallic temperature switches
- Electronic temperature indicators with transmitter

Pressure measurement technology

- Pressure transmitters
- Level probes
- Pressure gauge
- Pressure switch
- Pressure cells
- Chemical seals and accessories

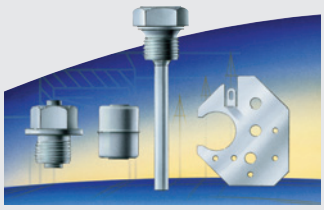


Electronic modules

- CAD layouting
- Component procurement
- THT and SMD placing
- AOI-testing
- In-circuit testing
- Functional testing
- Run-In
- Final assembly
- Final instrument test

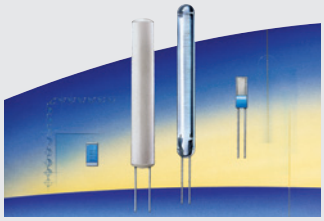
Transducers for Temperature and Humidity

- Thermocouples
- Resistance thermometers
- Ex temperature probes (ATEX)
- Wireless temperature probe
- Humidity measuring instruments
- DKD (German Calibration Service) laboratory
- Nationally accredited testing station for heat



Metalworking

- Stamping and forming systems
- Tool manufacture
- Flexible sheet metal working
- Welding, jointing and assembly systems
- Surface engineering
- Machining
- Float
- Materials laboratory



Platinum temperature sensors

in wirewound technology:

- Glass
- Glass with glass extension
- Ceramic
- Foil

in thin-film technology:

- Chip with connecting wires
- Chip in SMD style on epoxy board
- Chip with terminal clamps
- Chip in cylindrical style
- Chip in SMD style

Service

- Planning and project design for automation solutions
- German Calibration Service (DKD) for temperature
- Support during commissioning and optimization
- Worldwide service network
- Technical support line
- Seminars and workshops
- Fieldbus center
- Technical literature
- JUMO home page: www.jumo.net

2010-03-30/00543707

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