

JUMO

More than **sensors + automation**

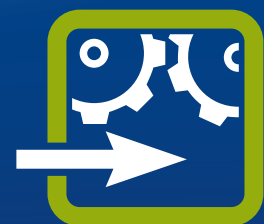
JUMO dTRANS T06

Multifunctional four-wire transmitter in mounting rail case



Securely perfected

- Universal input for a large number of sensors and standard signals
- Intuitive operation and configuration on the device or through USB interface with setup program
- Intelligent additional functions such as min./max. drag indicator, operating hours counter, and output simulation
- SIL 2/SIL 3 according to DIN EN 61508 and PL c/d according to DIN ISO 13849
- Sensor matching for RTD temperature probe
- Customer-specific linearization
- High galvanic signal separation



Type 707071

Brief overview

The new JUMO dTRANS T06 multifunction four-wire transmitter is suitable for challenging applications in plant engineering. The device can be used with RTD temperature probes, thermocouples, and resistance transmitters/potentiometers as well as voltage/current signals. It converts these input signals into an output signal of 0(2) to 10 V or 0(4) to 20 mA. The universal measurement input with a 22-bit resolution ensures maximum measuring precision for the JUMO dTRANS T06. The reliable three-way isolation between input and output guarantees high signal stability even when measuring conditions are difficult.

In safety relevant applications – which are often found in plant engineering, power plant technology, or the chemical industry – the four-wire transmitter with the SIL option according to IEC 61508 allows for the project planning of a reliable temperature measuring chain. JUMO SIL temperature sensors are optimally incorporated in the device concept so that the planning efforts are considerably reduced for the SIL design.

Configuration occurs quickly and easily directly on the device in a user-friendly manner via a monochrome LCD display.

play on the front with four keys. Another benefit for startup on-site is the configuration-related display of the sensor input and sensor output assignment as well as the relay and interface assignment on the display. The transmitter can be configured even more quickly and easily via the micro-USB socket on the front using configuration software and a laptop. Customer-specific linearization adjustments can also be done in this manner.

JUMO dTRANS T06 has comprehensive diagnostic functions such as min./max. drag indicator that support the user with both startup and maintenance work. Important limit value violations can be indicated using an optionally available relay output. All the important information about the transmitter can be queried and visualized through control systems via an optionally available RS485 interface.

The compact mounting rail case with a design width of 22.5 mm and coded plug-in terminals allows for quick control cabinet installation and safe replacement during calibration or maintenance work.

Information on measuring points directly retrievable on the display

A particular highlight is the configuration-related appearance of the connection diagram on the display.

