

Electronic Temperature Sensor ETS 300

Description:

The ETS 300 is a compact electronic temperature sensor with digital display. Two different models are available for optimum adaptation to particular applications.

The ETS 300 with built-in temperature sensor has a measuring range from -25°C to $+100^{\circ}\text{C}$. It is pressure-resistant to 600 bar and can therefore be mounted directly on the hydraulic block, if required.

The model with a separate sensor input has a display range of -30°C to $+150^{\circ}\text{C}$. The unit is mainly used together with the temperature sensor TFP 100 which was specially developed for tank mounting. However, commercially available PT 100 temperature sensors can also be used.

Different output models with one or two switching outputs, optionally with an additional analogue output signal $4 \dots 20 \text{ mA}$, offer a variety of application possibilities.

The switching points and the associated hystereses can be adjusted very quickly and easily via the membrane keypad.

For optimum adaptation to the particular application, the unit has many additional adjustment parameters (e.g. switching delay times, N/O / N/C function of the outputs).

Special features:

- Compact temperature sensor with integral or separate temperature sensor
- 2 transistor switching outputs, output capacity 1.2 A each
- Option: analogue output $4 \dots 20 \text{ mA}$
- Switching point function or window function
- Many useful additional functions.



Hydac Ets 300 Temp Sensor Manual

JS Bruner



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