

Temperature sensor TF with IO-Link



Fluidcontrol



The temperature-based change in the viscosity of hydraulic and lubricating oils requires closely monitoring and stabilising the medium temperature.

Furthermore, close temperature monitoring impacts the life of the oils. The oil tank is typically accepted as the control point for the oil temperature, which generally provides an informative mean value. It may further be helpful to also monitor segments or individual devices in a system.

The IO-Link compatible TF series temperature sensors are suitable to ensure cost-effective and efficient temperature monitoring in hydraulic and lubrication oil tanks.

The digital, bidirectional communication of these sensors meets all requirements of modern plant automation, reduces acquisition and installation costs, and improves system availability. Their robust design makes them suitable for virtually any liquid properties, allowing a wide range of applications.

IO-Link and 1 x programmable switching output

Continuous temperature measurement

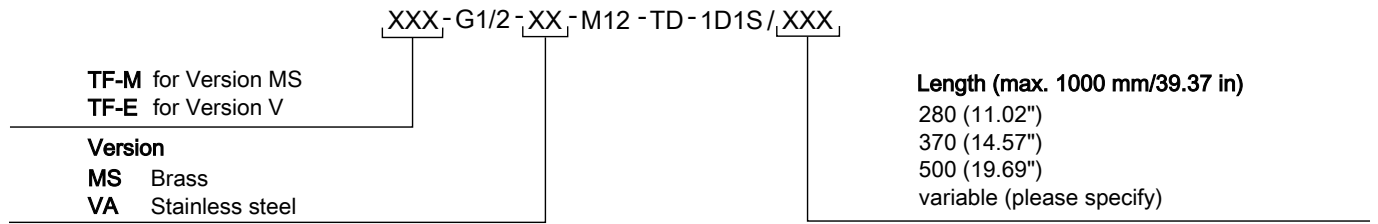
Brass or stainless steel housing

Sensor length up to 1 m (3.3 ft)

Connecting flange G1/2



Model Key TF with IO-Link



Ordering example

You need: Brass temperature sensor with M12 plug, IO-Link output, length L= 520 mm (20.47"), operating pressure 5 bar (72.5 psi)

You order: TF-M-G1/2-MS-M12-TD-1D1S/520