Distance Sensor

U2GT002



- 2 switching outputs
- External teach-in
- FDA compliant and Ecolab certified
- Hygienic design makes it easy to clean
- IO-Link 1.1
- Stainless steel housing for harsh environments

These ultrasonic sensors evaluate the sound reflected from the object. They can detect almost any object and are especially well suited for monitoring fill levels of liquids and bulk goods and for detecting transparent objects regardless of the material, state, color or transparency. The measured value can be read out via IO-Link, and the sensor can be optimally adapted to the application. The stainless steel housing in hygienic design enables use in demanding environments such as washdown and hygienic areas. The sensor can be used both in reflex mode operation, and as an ultrasonic through-beam sensor.

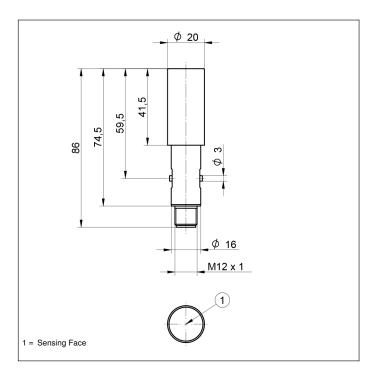
Outrasonic DataWorking range, reflex sensor1501300 mmWorking range, through-beam sensor1501300 mmReproducibility maximum8 mmLinearity Deviation8 mmResolution1 mmUltrasonic Frequency205 kHzOpening Angle< 13 °Service Life (T = +25 °C)100000 hSwitching Hysteresis2 % *Electrical Data2 % *Supply Voltage1830 V DCCurrent Consumption (Ub = 24 V)< 35 mASwitching frequency, reflex sensor10 HzSwitching frequency, reflex sensor50 msResponse time, reflex sensor50 msResponse time, reflex sensor50 msTemperature Drift< 10 %Temperature Range-3060 °CNumber of Switching Outputs2Switching Output Voltage Drop< 2,5 VSwitching Output Soutiching Current100 mAShort Circuit ProtectionyesProtection ClassIIIMechanical DataIO-Link V1.1 SmartSetting MethodTeach-InStainless steel, V4AGuneationM12 × 1; 4/5-pinSatery ProtectionIP68/IP69KConnectionIP68/IP69KConnection Diagram No.317Suitable Mounting Technolog No.140	Ultra e esta Data	
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Suitable Mounting Technology No. 140	Suitable Connection Equipment No.	2 35
	Suitable Mounting Technology No.	140

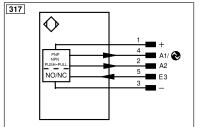
* Referring to the switching distance, at least 2 mm.

Complementary Products

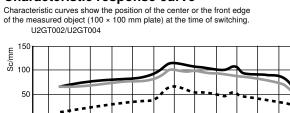
IO-Link Master Software

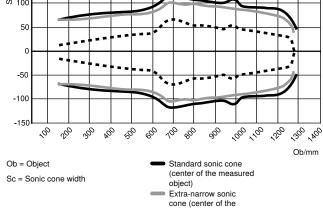






Characteristic response curve





measured object)

Standard sonic cone

(front edge of the measured object)

