



210596
US 30 M 6000 IU-B4
Ultrasonic sensor

Technical data (typ.)	+20°C, 24 V DC
Parallel operation possible	Yes
Operation modes	STANDARD, Master / slave function (synchronization or multiplex operation)
Scope of delivery	Sensor, 2 x M30 nuts
Functions	Analog 0...10V / 4...20mA / 0... 20mA, Teach, switching output push-pull, PNP, NPN (Pin 2), Teach , push-pull, PNP, NPN, synchronization, multiplex (PIN 4)
Switching output	Push-pull, 100 mA, NO/NC, switchable
Max. switch current	100 mA
Voltage drop (max.)	2 V
Analog output	0 ... 10 V, 4 ... 20 mA (0 ... 20 mA IO-Link)
Interface	IO-Link (V1.1, COM2 38.4 kBd, Smart Sensor Profile)
Load resistance	> 10 KΩ (0 ... 10 V) / < 400 Ω (4 ... 20 mA / 0 ... 20 mA)
Nominal switching distance (Sn)	6000 mm
Range	600 ... 6000 mm
Adjustment range	600 ... 6000 mm (Teach in)
Resolution	Ø 1.0 mm (Adjusted measuring range/4095 (analog output))
Standardized measuring plate	200 x 200 mm
Switching hysteresis (max.)	5 ... 50 mm (Adjustable by IO-Link)
Reproducibility	4.0 mm
Linearity error	± 0.5 %
Sensitivity adjustment	Remote teach
Display	LED 1x Green - Status, 1x yellow - Switching output
Measuring frequency	17 Hz
Ultrasonic frequency	80 kHz
Switching frequency	2 Hz
Readiness delay (max.)	300 ms
Shock/vibration load	30 g, 11 ms / 10 ... 55 Hz, 1.0 mm
Ambient temperature during operation	-25 ... +70 °C
Temperature drift	0.2 %/K (uncompensated)
Temperature drift	< 1.5 %/Sn (compensated)
Protection type	IP 67
Connection	Connector, M12, 4-pin
Connection cable	VKHM ... /4
More information / accessories	https://www.di-soric.com/210596