

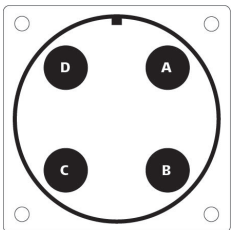
Leica MUS1400 Trisonic Sensor

Ultrasonic sensor

Data Sheet



The MUS1400 sonic sensor can measure the horizontal and vertical distance to a stringline, edge, curb and ground and guide a 2D grader solution. The MUS1400 sensor has dual ultrasonic heads for ultrasonic triangulation and automatic height and side shift control.



MIL, male, 4-pin connector

Pin assignment

Pin	Name
A	+VCC
B	GND
C	CAN
D	CAN

Environmental Data

Water/Dust rating	IP67 (acc. to IEC60529)
Operation temperature	-20°C to 85°C
Storage temperature	-30°C to 85°C
Humidity	ISO IEC60068-2-30 (55°C/RH 95% / 12 h operating) (25°C/RH 95% / 24 h operating) 6 cycles
Vibration	IEC 60068-2-6 (5-500 Hz, 15g, ±15mm)
Bump	ISO 90200-31-06 (100g, 2ms, ± 3 x 4000)

Mechanical Data

Weight	1100 g
Dimensions	167.3 x 98.6 x 112 mm (LxWxH)
Material	Chilled casted Alu: EN AC-44200 AISI12 Colour: Yellow RAL 1018 Surface treatment: Powder coated
Display foil	PC, black with print
Clamp, frame and transducer holder	POM-H, black

Compliance

CE	2014/30/EU EMC
FCC	Part 15, Class B
RoHs	2011/65/EU - (EU) 215/863
WEEE	2012/19/EU

Standards

EMC	EN/ISO13766-1: 2018 EN/ISO13766-2: 2018
Mechanical	EN/ISO 12100:2010

Electrical

Voltage range	9V - 36V
Current consumption	0.25A @ 24VDC
Interface	MIL, male, 4-pin