942-M0A-2D-1G1-130E

Series 942 Separate control box, 3000 mm [118.0 in] scan distance, two analog outputs (0 Vdc to 10 Vdc and 4 mA to 20 mA) , two switching outputs PNP and digital link, to use with 942 or 947 sensor head

Actual product appearance may vary.

Product Specifications

Sensing Range	400 mm to 3000 mm [16.0 in to 118.0 in]
Range Type	Long range > 2,0 m [80.0 in] and up
Supply Voltage	19 Vdc to 30 Vdc
Oscillating Frequency	130 KHz
Integrated Temperature Compensation	Yes
Repeatability	± 0.2 % ± 1,0 mm [0.039 in]
Output Type	Analog 0 Vdc to 10 Vdc|Analog 4 mA to 20 mA|RS-232 Interface|Switching 2 x PNP
Switching Output Type	1 Normally Open/1 Normally Closed
Response Time	120 ms (target moving < 1 m/s)
Response Time (Target Present/Absent)	500 ms
Max. Switching Frequency	1 Hz
Adjustment Method	Thumb Wheels or PC software
Analog Output Slope Selection	Thumb Wheels or PC software
Operating Temperature	0 °C to 50 °C [32 °F to 122 °F]
Storage Temperature	-25 °C to 85 °C [-13 °F to 185 °F]
Linearity	0.3 % ± 2,0 mm [0.079 in]
Load Resistance	> 1.45 Kohm (Voltage), < 250 Ohm (Current)
Maximum Output Current	100 mA
Hysteresis	Programmable by software (default 1 %)
Adjustable Sensitivity	Switch (33 % or 100 %)
Indicators	5 LED
Additional Inputs/Outputs	Overrange, underrange, parallell outputs, Hold/Synchronisation
Computer Interface	RS-232, 3 wire
Memory	EEPROM (non-volatile)
Current Consumption	50 mA maximum
Circuit Protection	Reverse Polarity, voltage spikes on supply and output lines, short circuit on switching output
Housing Style	Separate head and control box
Housing Material	Polyethylenterephtalat
Sealing	IP40

Product Specifications

Mounting	Din rail or 2 holes dia. 4 mm
Termination Type	Screw terminals
Availability	Global
Normally Open/Normally Closed selection	Sw itch or softw are
UNSPSC Code	41111960
UNSPSC Commodity	41111960 Ultrasonic sensor
Series Name	942

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