942-T4N-2D-1C1-200E

Series 942-T, 1500 mm [59.0 in] scan distance, M30 plastic housing , connector termination, one analog output (4 mA to 20 mA or 0 Vdc to 10 Vdc), two PNP switching outputs and an RS232 digital link

Actual product appearance may vary.

Product Specifications

Sensing Range	150 mm to 1500 mm [6.0 in to 59.0 in]
Range Type	Middle range 1,0 m to 2,0 m [39.0 in to 79.0 in]
Min. Sensing Distance of Test Target	150 mm [5.90]
Adjustable Dead Zone	Programmable
Supply Voltage	19 Vdc to 30 Vdc
Beam Angle	8°
Oscillating Frequency	200 KHz
Integrated Temperature Compensation	Yes
Repeatability	± 0.4 % ± 2,0 mm [0.079 in]
Output Type	Analog 0 Vdc to 10 Vdc|RS-232 Interface|Switching 2 x PNP
Switching Output Type	2 Outputs - Program for Normally Open/Normally Closed
Response Time	60 ms (target moving < 1 m/s)
Response Time (Target Present/Absent)	300 ms
Max. Switching Frequency	1 Hz
Adjustment Method	PC software
Analog Output Slope Selection	PC software
Operating Temperature	-15 °C to 70 °C [5 °F to 158 °F]
Storage Temperature	-25 °C to 85 °C [-13 °F to 185 °F]
Linearity	± 0.5 % ± 3,0 mm [0.118 in]
Load Resistance	> 1 Kohm
Maximum Output Current	100 mA
Hysteresis	Programmable by software (default 2 %)
Adjustable Sensitivity	No
Indicators	1 LED
Additional Inputs/Outputs	Hold/Synchronisation
Computer Interface	RS-232, 3 wire
Memory	EEPROM (non-volatile)
Current Consumption	35 mA maximum
Circuit Protection	Reverse Polarity, voltage spikes on supply and output lines, short circuit on switching output
Housing Style	M30 plastic
Housing Material	Polyethylenterephtalat

Product Specifications

Sealing	IP67 (Head), IP65 (Connector)
Mounting	2 x M30 plastic nuts 36 mm
Sensing Face Material	Epoxy
Termination Type	Connector
Connector Type	Binder 8-pin (female connector included)
Availability	Global
Normally Open/Normally Closed selection	Softw are
UNSPSC Code	41111960
UNSPSC Commodity	41111960 Ultrasonic sensor
Series Name	942