



### Main

Range of product	Hyde Park
Sensor type	Ultrasonic sensor
Series name	Superprox 900
Device short name	SM956
Sensor design	Cylindrical M30
Type of sensing window	Adjustable
Material	Plastic
Enclosure material	ULTEM
Front material	Glass epoxy
Type of output signal	Analog
ISO thread	M30 x 1.5
Wiring technique	4-wire
[Us] rated supply voltage	15...24 V DC with overload and short-circuit protection
Supply voltage limits	13...28 V DC
Analogue output range	4...20 mA direct
Electrical connection	Male connector M12 4 pins
Product specific application	Analog output

### Complementary

[Sn] nominal sensing distance	8 m
[Sd] sensing range	0.203...8 m
Maximum differential travel	12.7 mm
Blind zone	203 mm
Transmission frequency	75 kHz
Repeat accuracy	2.54 %
Beam angle	10 °
Minimum size of detected object	Cylinder diameter 50.8 mm - up to 4572 mm sensing distance
Current consumption	80 mA
Maximum switching current	60 mA with reverse polarity protection
Height	30 mm
Width	43.18 mm
Depth	30 mm
Length	117.3 mm
Net weight	0.9 kg

### Environment

Product certifications	UL
Marking	CE
NEMA degree of protection	NEMA 4X (indoor use only)
IP degree of protection	IP67
Ambient air temperature for operation	-20...60 °C
Ambient air temperature for storage	-20...80 °C
Relative humidity	100 % without condensation
Vibration resistance	+/-1 mm conforming to IEC 60068-2-6 (f = 10...55 Hz)
Shock resistance	30 gn in all 3 axes for 11 ms conforming to IEC 60068-2-27

Resistance to electromagnetic fields	10 V/m level 3 conforming to IEC 61000-4-3
Resistance to fast transients	1 kV level 3 conforming to IEC 61000-4-4

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.35 cm
Package 1 Width	9.906 cm
Package 1 Length	13.462 cm
Package 1 Weight	190.509 g

## Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
For all Reach Rohs enquiries contact us at	<a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>

## Contractual warranty

Warranty	18 months
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