



## Main

Range of product	Hyde Park
Sensor type	Ultrasonic sensor
Series name	Virtu VM18
Device short name	VM18
Sensor design	Cylindrical M18
[Sn] nominal sensing distance	20.00 in (508 mm)
Type of sensing window	Adjustable
Material	Plastic
Enclosure material	PBT
Front material	Glass epoxy
Type of output signal	Analog
ISO thread	M18 x 1
Wiring technique	4-wire
[Us] rated supply voltage	15...24 V DC overload and short-circuit protection
Supply voltage limits	13...28 V DC
Analogue output range	0...10 V direct
Electrical connection	1 male connector M12 4 pins
Product specific application	-

## Complementary

[Sd] sensing range	2.00...20.00 in (50.8...508 mm)
[Sa] assured operating distance	2.00...20.00 in (50.8...508 mm) remote teach push-button
Blind zone	0.00...2.01 in (0...51 mm)
Transmission frequency	300 kHz
Repeat accuracy	1.27 %
Beam angle	5 °
Minimum size of detected object	Cylinder diameter 2.5 mm - up to 200 mm sensing distance
Current consumption	40 mA
Maximum switching current	40 mA reverse polarity protection
Resistance to electrostatic discharge	8 kV level 4 IEC 61000-4-2
Maximum Height	0.71 in (18 mm)
Maximum Width	0.71 in (18 mm)
Maximum Depth	0.71 in (18 mm)
Length	3.06 in (77.62 mm)
Net Weight	0.07 lb(US) (0.033 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	-22...158 °F (-30...70 °C)
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Relative humidity	100 % without condensation
Vibration resistance	+/-1 mm 10...55 Hz)IEC 60068-2-6

Shock resistance	30 gn in all 3 axes 11 ms IEC 60068-2-27
Resistance to electromagnetic fields	9.14 V/m (10 V/m) level 3 IEC 61000-4-3
Resistance to fast transients	1 kV level 3 IEC 61000-4-4

### Ordering and shipping details

Category	22490 - SENSORS-ULTRASONIC (XX5,6)
Discount Schedule	DS2
GTIN	03389119063531
Package weight(Lbs)	0.2 lb(US) (0.09 kg)
Returnability	No
Country of origin	US

### Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP) and Diisononyl phthalate (DINP) which is known to the State of California to cause Carcinogen and Reproductive harm. For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Not applicable, out of EU RoHS legal scope

### Contractual warranty

Warranty	18 months
----------	-----------