# VM1VD3000

Hyde Park, Ultrasonic sensor, analog, voltage (V), 18 mm snout dual mount, 15 24 V DC



## Main

Range of product	Hyde Park
Sensor type	Ultrasonic sensor
Series name	Virtu VM1
Device short name	VM1
Sensor design	Flat form + cylindrical M18
Type of sensing window	Adjustable
Material	Plastic
Enclosure material	Valox
Front material	Glass epoxy
Type of output signal	Analog
ISO thread	M18 x 1
Wiring technique	4-wire
[Us] rated supply voltage	1524 V DC with overload and short-circuit protection
Supply voltage limits	1328 V DC
Analogue output range	010 V direct
Electrical connection	Cable, 3 m cable length

### Complementary

[Sn] nominal sensing distance	508 mm
[Sd] sensing range	50.8508 mm
Blind zone	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 with reverse polarity protection
Height	43.7 mm
Width	18 mm
Depth	43.7 mm
Length	65.61 mm
Net weight	0.033 kg

#### **Environment**

UL	
CE	
NEMA 4X (indoor use only)	
IP67	
-3070 °C	
-4085 °C	
100 % without condensation	
+/-1 mm conforming to IEC 60068-2-6 (f = 1055 Hz)	
30 gn in all 3 axes for 11 ms conforming to IEC 60068-2-27	
10 V/m level 3 conforming to IEC 61000-4-3	
1 kV level 3 conforming to IEC 61000-4-4	
	CE  NEMA 4X (indoor use only)  IP67  -3070 °C  -4085 °C  100 % without condensation  +/-1 mm conforming to IEC 60068-2-6 (f = 1055 Hz)  30 gn in all 3 axes for 11 ms conforming to IEC 60068-2-27  10 V/m level 3 conforming to IEC 61000-4-3

# Packing Units

4.288 cm
35 cm
4.288 cm
3.608 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 www.P65Warnings.ca.gov
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

### Contractual warranty

Warranty	18 months

