

Main

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|---------------------------|--|
| 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 | 15...24 V DC overload and short-circuit protection |
| Supply voltage limits | 13...28 V DC |
| Analogue output range | 0...10 V autoslope |
| Electrical connection | Cable, 9.8 ft (3 m) |

Complementary

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|---------------------------------|--|
| [Sn] nominal sensing distance | 20.0000000000 in (508 mm) |
| [Sd] sensing range | 2.0000000000...20.0000000000 in (50.8...508 mm) |
| Blind zone | 2.008 in (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 |
| Height | 1.7 in (43.7 mm) |
| Width | 0.7 in (18 mm) |
| Depth | 1.7 in (43.7 mm) |
| Length | 2.58 in (65.61 mm) |
| Net Weight | 0.073 lb(US) (0.033 kg) |

Environment

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|---------------------------------------|--|
| 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 | 9.1 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

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|-------------------|----------------|
| Category | US10DS222490 |
| Discount Schedule | 0DS2 |
| GTIN | 03389119065177 |
| Returnability | No |

Packing Units

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|------------------------------|-----|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |

Offer Sustainability

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|--|---|
| Packaging without single use plastic | No |
| Packaging made with recycled cardboard | No |
| SCIP Number | 435317c3-e86a-47b7-acde-88c832f96adb |
| 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 |
| EU RoHS Directive | Not applicable, out of EU RoHS legal scope |
| Take-back | No |

Contractual warranty

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| Warranty | 18 months |
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