



Ayyeka Model VS3

Submersible Level Sensor



Technical Specifications

Accuracy	±0.5% FS
1-year stability	±0.1% FS
Zero drift	±0.02% FS/°C
Thermal sensitivity shift	±0.02% FS/°C
Signal output	4-20mA, 2-wire
Supply voltage	9-30VDC
Full scale measurement range (zero based)	0.5, 1, 2.5, 5, 10, 20, 50, 100, 200, 300, 400, 500, 600 mH2O
Pressure type	Vented gauge, sealed gauge
Overpressure	2 x FS
Temperature compensation	-20°C to +85°C (-4°F to + 185°F)
Operating temperature	-10°C to +85°C (14°F to + 185°F)
Storage temperature	-20°C to +85°C (-4°F to + 185°F)
Ingress protection	IP68 (fully submersible)
Sensor housing / enclosure material	316L SS
Cable material	Polyurethane
Cable length	10 m (33 ft) standard; custom lengths available upon request
Field attachable connector	M12 (absolute) or vented M12 (gauge) or M12 with vent box (gauge)
Certifications	CE RoHS

Applications

The Ayyeka VS3 hydrostatic submersible pressure sensor is a versatile solution for liquid level measurement in water and wastewater applications. In particular, it is suitable for reservoir, tank, surface water, well, and sewer collection system level measurement.

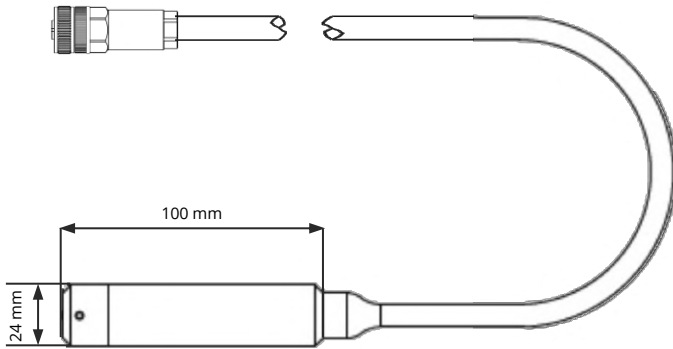
Features

- Fully submersible
- Stainless steel 316L for long-term corrosion resistance in brackish environment
- Measurement range from 0.5 mH2O up to 600 mH2O
- Advanced temperature compensation
- Wide process temperature range
- Resistant to physical impact, overpressure, and shock
- Lightning protection
- Protection against radio frequency and electromagnetic interference

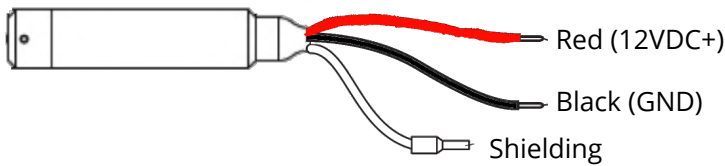
For ordering information contact:

sales@ayyeka.com

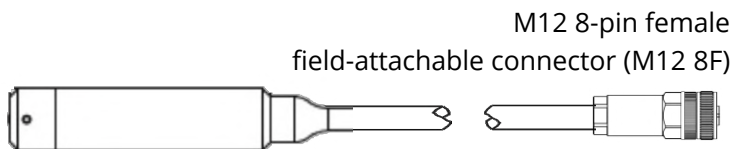
Product Dimensions



Wiring



Wavelet V2, Wavelet, and Wavelet 4R



Pinout

Wavelet V2 (part # WA1111-xx-V2)

Pin #	Color	Signal
1	Black	4-20mA or 0-24V Input #1
2	N.C.	IO_4 - period, output; dry contact, open drain, 0V or 2.8V (max)
3	N.C.	Wavelet 12V Power Supply #2 (+)
4	Red	Wavelet 12V Power Supply #1 (+)
5	N.C.	4-20mA or 0-24V Input #4
6	N.C.	4-20mA or 0-24V Input #3
7	N.C.	4-20mA or 0-24V Input #2
8	N.C.	GND

Wavelet (part # WA1111-xx)

Pin #	Color	Signal
1	Black	4-20mA or 0-24V Input #1
2	N.C.	GND
3	N.C.	Wavelet 12V Power Supply #2 (+)
4	Red	Wavelet 12V Power Supply #1 (+)
5	N.C.	4-20mA or 0-24V Input #4
6	N.C.	4-20mA or 0-24V Input #3
7	N.C.	4-20mA or 0-24V Input #2
8	N.C.	GND

Wavelet 4R (part # WA4000-xx)

Pin #	Color	Signal
1	Black	4-20mA or 0-24V Input #1
2	N.C.	PCNT_0 - pulse counting, edge, periodic, output; dry contact, open drain, 0V or 2.8V (max)
3	N.C.	RS485 A and RS232 RX
4	Red	Wavelet 12V Power Supply #1 (+)
5	N.C.	RS485 B and RS232 TX
6	N.C.	4-20mA or 0-24V Input #2
7	N.C.	PCNT_1 - pulse counting, edge, periodic, output; dry contact, open drain, 0V or 2.8V (max)
8	N.C.	GND