

# Technical Specifications

OTT SVR 100	
Measurement range velocity	0.08 ... 15 m/s (0.26 ... 49.12 ft/s)
Resolution	0.1 mm/s (0.0003 ft/s)
Accuracy	+/- 2% of measured value (0.08 m/s ... 4 m/s) (0.26 ... 13.12 ft/s) +/- 2.5% of measured value (4 m/s ... 12 m/s) (13.12 ... 39.37 ft/s)
Beam Angle	12° Azimuth / 24° Elevation
Detection distance	1 ... 50 m (3.3 ... 164 ft)
Distance to water	0.5 ... 25 m (1.64 ... 82 ft)
Radar frequency	24 GHz (K-band)
Serial interfaces	RS-232 / RS-485 / SDI-12
Protocols	SDI-12 / MODBUS
Operating Voltage	9 ... 27 VDC
Power / current consumption	Active: < 90 mA @ 12 VDC Standby: < 7.5 mA @ 12 VDC Max. current: < 175 mA
Dimensions (LxWxH)	134.5 x 114.5 x 80 mm (5.3 x 4.5 x 3.2 in) without mounting bracket
Material	Housing: ASA & Aluminum Radom: TFM PTFE Mounting support: 1.4301 (V2A)
Rotation range of swivel mount	Lateral axis: ± 90° Longitudinal axis: ± 15°
Cable length	SDI-12 / RS-232: max. 65 m (9,600 Baud) RS-485: max. 500 m (9,600 Baud)
Weight	without mounting support: 820 g (1.81 lbs.) with mounting support: 1.530 g (3.37 lbs.)
Operating temperature	- 40°C ... + 85°C (-40° ... 185° F)
Waterproof rating housing	IP 68

