

Professional Line	u [sonic] WS6
Identification number.:	00.16480.000000
Wind direction measuring range:	0 ... 359.9 °
Wind speed measuring range:	0 ... 75 m / s
Measuring range air temperature:	-40 ... + 70 ° C
Measuring range rel. Humidity:	0 ... 100%
Measuring range air pressure:	300 ... 1100 mbar
Accuracy wind direction:	<2 ° (> 1 m / s) RMSE
Accuracy wind speed:	± 0.2 m / s RMSE (v <10 m / s) · ± 2% RMSE (10 m / s <v <65 m / s)
Accuracy air temperature:	± 0.1K (0 ... 60 ° C) · ± 0.2K (-40 ... 0 ° C)
Accuracy rel. Humidity:	typ. ± 1.5% (0 ... 80%) RH · ± 2% (> 80%) RH
Accuracy air pressure:	± 0.5 mbar
Resolution wind direction:	0.1 °
Resolution wind speed:	0.1 m / s
Resolution air temperature:	0.1 ° C
Resolution rel. Humidity:	0.1%
Resolution air pressure:	0.1 mbar
Response threshold:	0.1 m / s
Output:	RS 485 RS 422 (optional, <b>please specify when ordering: ID no .: 97.16470.000422 configuration RS 422 output</b> )
Protocols:	NMEA 0183 Modbus RTU (optional · <b>please specify when ordering: Ident-No .: 97.16470.000001 configuration Modbus</b> ) SDI-12 (optional · <b>please specify when ordering: Ident-No .: 97.16470.000002 configuration SDI-12</b> ) other protocols inquiry
Interface:	RS485 / 422 · SDI-12 (optional)
Measuring rate:	0.1 ... 10 Hz
Operating conditions:	-40 ... + 70 ° C (with heating: -50 ... + 70 ° C) · 0 ... 100% r. F.
Supply voltage:	without heating: 6 ... 60 VDC · with heating: 24 V AC / DC ± 20%
Power consumption:	Sensor: typically 50 mA at 24 VDC · with heating: max. 10 A at 24 V AC / DC
Heating data:	factory configurable: 60 W / 120 W / 240 W (standard)
Dimensions:	∅ 199 mm · Height 238 mm
Casing:	seawater-proof aluminum
Protection class:	IP 66 · IP 67
Weight:	approx. 3.1 kg
Standards and norms:	Salt spray: EN 60945 · Low voltage standard: 72/23 EEC
EMC standards / electrical safety:	DIN EN 60945 · DIN EN 61000-4-2, 3, 4, 6, 11
Options (order separately):	00.16480.000200 u [sonic] WS6 with bayonet plug 32.16420.066100 Cable 10 m · with 12-pin bayonet plug · pre-assembled
Accessories (order separately):	32.16470.060000 sensor cable, 15 m, 8-pin. M16 connector