

Professional Line	u [sonic]
ID No.:	00.16470.100000
Wind direction measuring range:	0 ... 359.9 °
Wind speed measuring range:	0 ... 75 m / s
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)
Resolution wind direction:	0.1 °
Resolution wind speed:	0.1 m / s
Response threshold:	0.1 m / s (adjustable for wind direction)
Output:	RS 485 Analog: 0 ... 20 mA 4 ... 20 mA 0 ... 5 V 0 ... 10 V RS 422 (optional, please specify when ordering: Ident-No .: 97.16470.000422 Configuration RS 422 output)
Protocols:	NMEA 0183 Modbus RTU (optional · please specify when ordering: Ident-No .: 97.16470.000001 configuration Modbus) SDI-12 (optional · please specify when ordering: Ident-No .: 97.16470.000002 configuration SDI-12) further protocols inquiry
Measuring rate:	0.1 ... 10 Hz · (internal measuring rate 50 Hz)
Operating conditions:	-40 ... + 70 ° C (with heating -50 ... + 70 ° C) · 0 ... 100% r. F.
Survival speed:	100 m / s
Supply voltage:	6 ... 60 VDC · 24 V AC / DC
Power consumption:	Sensor: typ. 45 mA at 24 VDC and deactivated analog output heating can be configured in the factory: 60 W 120 W 240 W (standard)
Measuring principle:	Ultrasonic transit time measurement
Heating data:	Configurable at the factory 60 W 120 W 240 W (standard)
Dimensions:	Ø 199 mm · Height 149 mm
Casing:	seawater-proof aluminum
Protection class:	IP 66 IP 67
Weight:	approx. 2 kg
Standards and norms:	VDE 0100 · Low voltage standard: 72/23 EEC EMC / EMI: DIN EN 60945 and DIN EN 61000-4-2, -3, -4, -5, -6, -11 · Protection class: DIN EN 60529
Accessories (order separately):	32.16470.060000 sensor cable, 15 m · 8-pin M16