Yacht Devices

Digital Thermometer YDTC-13

Digital Barometer YDBC-05

- Temperature measurement in the range of -55 to +125°C (-67..+257°F).

- Sensor is outside the case on a flexible 95cm wire.

- Wire can be elongated up to 100 meters.

- Atmospheric pressure measurement in the range from 300 to 1100 hPa (mbar).

- Sensor is inside the device case.

- 54x20x20mm dimensions and weight of 11 grams make the device ideal for racing yachts.

- Designed for operation on NMEA 2000 networks.

- True plug-and-play devices: 2-minute installation and they are ready to go.

- Fully compatible with a wide range of equipment:
  Raymarine SeaTalk NG, Simrad SimNet, Furuno CAN, Garmin.

- Supplied with different types of connectors for networks and equipment of different manufacturers.

- Data from measurements can be represented in graph form on a chartplotter.

Device parameter	Value
Operating voltage (from an NMEA 2000 network)	7..16 V
Protection against reverse polarity	Yes
Current consumption of the Thermometer / Barometer	24 / 24 mA
Load Equivalency Number	1 LEN
Operating temperature range (except the Thermometer sensor)	-40..+80 °C
Weight of the Thermometer / Barometer	31 / 11 g
NMEA 2000 data output resolution	0.01 °C / hPa

Parameters of the Barometer YDBC-05

Measurement range	300..1100 hPa
Relative measurement accuracy	± 0.12 hPa
Absolute measurement accuracy, at 0..+65 °C	± 1 hPa
Absolute measurement accuracy in the rest of the range	± 2.5 hPa

Parameters of the Thermometer YDTC-13

Measurement range	-55..+125 °C
Measurement error within the range of -10..+85°C, max	± 0.5 °C
Measurement error within the rest of the range, max	± 2 °C

LED 3mm

Barometer sensor air intake*

Thermometer stainless steel sensor, D=6.0mm**

Insulation, up to 125 Celsius, max. D=6.5mm**

Thermometer sensor wire 950mm, D=3.5mm**

Notes: available only in
 * Barometer
 ** Thermometer

13,3
40
30
20
Ø20
Ø6