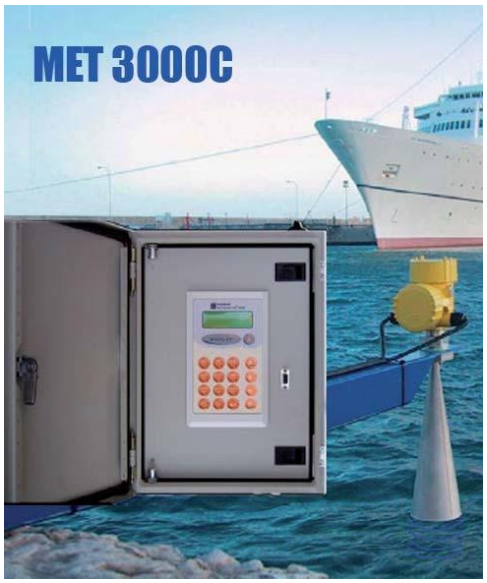
RADAR TIDE GAUGE
MET 3000C



The MET 3000C Radar Tide Gauge is the ideal solution for measuring, recording and transmitting tide level data, not only due to its high performance and advanced technical characteristics, but also due to its great versatility and low cost.

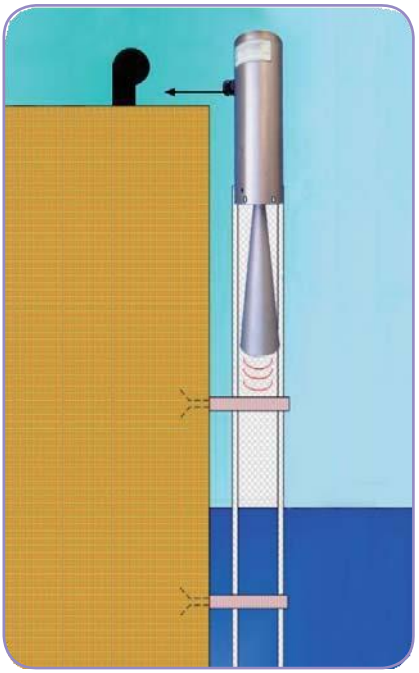
This unit is composed of a level sensor based on radar technology at 26 GHz. It has all necessary elements to carry out the sampling of the measuring signal, the digitalization of that signal and the data recording in its own internal memory.

Data can be sent by different vias (GPRS, radio, satellite, AIS, etc.). Information is transmitted on real time.

Thanks to its tough construction, this equipment can withstand the harshest weather conditions.

FEATURES

- √ The MET 3000C tide gauge is composed of two main parts:
  - The tide level sensor, based on radar microwave technology at 26 GHz, of high accuracy.
  - The 3000C data measurement, record and transmission Unit .
- √ Level measurement every second (1 Hz).
- √ 1mm Accuracy to average values.
- √ Inner clock and automatic synchronisation by GPS integrated receiver as an option.
- √ High memory capacity (64 or 128 MB) with several months of autonomy to average values.
- √ Real- and differed-time data transmission, by using any communication via (GPRS, radio, satellite, AIS, etc.).
- √ Data storage capacity over 5 months, even when storing rough water level data at 1Hz frequency.
- √ Ultra low consumption (10 mA / 12V d.c.).
- √ Software for data management, configuration, display and processing available.



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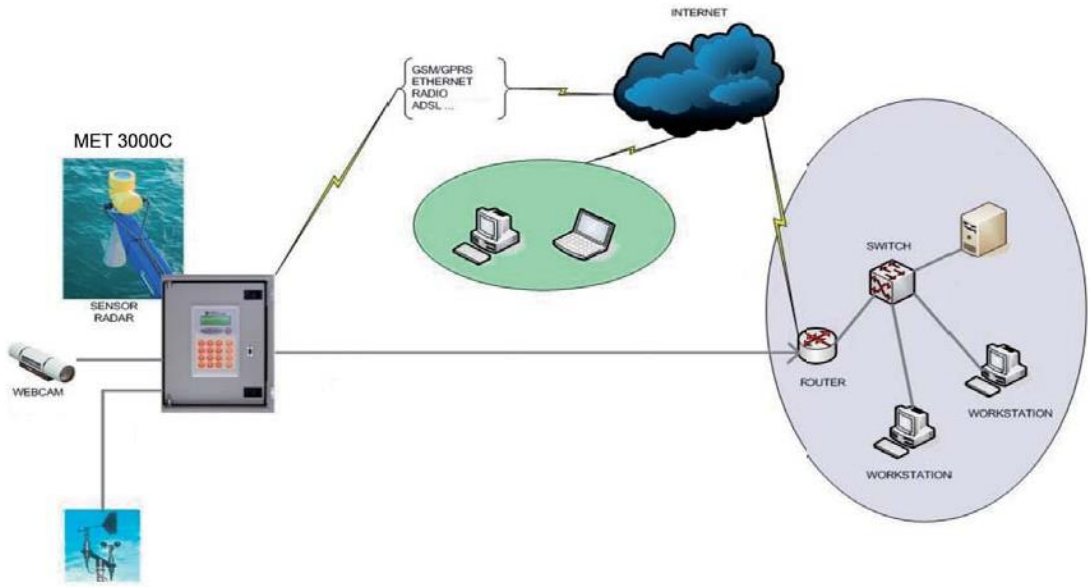

MET 3000C Unit
Programmable data acquisition and local processing unit, with storage in internal 128MB RAM memory and Analogical/Digital Converter of 19-bit-plus-sign resolution.
LCD alphanumeric display integrated.
Integrated membrane keyboard.
Fast connection strips for all sensors, GSM/GPRS modem, solar module, power supply network, etc.
Electronic protection circuits against transient over-voltage for all external connections.
Built-in power supply module for the station, sensors and communications equipment, with charger for connection to mains voltage or photovoltaic solar module.
IP interface circuit for communications via Internet, Ethernet networks, Wireless, etc., i.e. for accessibility to the METLOGGER 2000 station through any communication network with TCP/IP protocol.

MET 3000C Inputs/Outputs
8 or 16 nos. input analogical channels.
2 nos. micro-relay digital inputs (10 optional).
2 nos. micro-relay digital outputs (6 optional).
4 nos. 16-bit digital counters (for rain gauges, anemometers and other sensors with output by pulses).

Optional sensors
Wind speed and direction.
Water temperature.
Air temperature.
Relative air humidity.
Atmospheric pressure.
Solar radiation.
Rain.
Visibility.
Present weather.

Options
Connection of all types of meteorologic, hydrologic and environmental sensors.
Connection of one or more colour WEBCAM cameras to capture and transmit images in sequential mode.

Communication Ports
2 nos. RS-232 serial port, one of them 422/485 programmable.
1 no. serial port to firmware development (dedicated).
1 no. serial port to RTC/GSM/GPRS communications, Radio, Satellite, AIS, etc. (dedicated).
2 nos additional serial ports (optional) for general purposes (Ethernet; SDI-12; Bluetooth; Wi-Fi; GPS receiver; RS-232/422/485).

Display Software
Application under Windows environment for data request and downloading.
Possibility to schedule commands to be automatically executed.
Record of all events.
Data storage in a Microsoft Access database or SQL server, to be used as a data consulting and storing tool.
A consulting and configuration screen for each remote station.
Several types of data consulting: daily, several days, etc.
Possibility to compare data from a single station or from different ones.

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