

"some lead, others follow" !

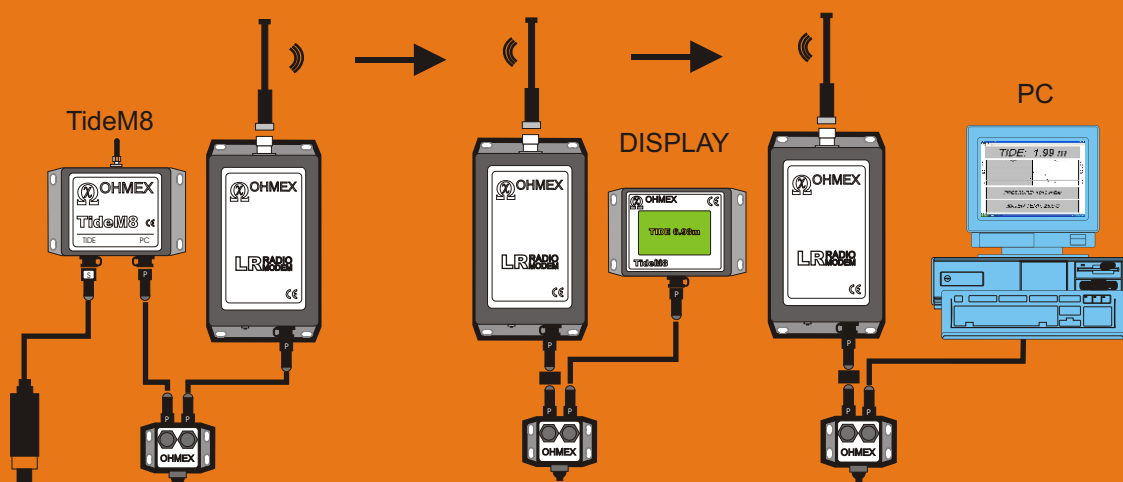
TideM8

Low Power modular Bluetooth Tide Gauge

TideM8 is the current replacement for the popular TidaLite portable tide gauge. Using the latest low power processor and flash memory technology, the new design offers precise calendar and time keeping functions together with solid state data retention.



The TideM8 is designed to interface directly to external displays or computers using serial communications with Bluetooth, the Ohmex Short and Long range radio telemetry modems and a range of dedicated LCDs for simple remote display of numeric data.



Modular Design Philosophy

The internal data logging will retain up to ten years of readings with each record containing Time/Date, average tide, water temperature, barometric pressure and wave range. The internal 16MByte flash memory can be erased using the password protected software commands, all of the internal settings are retained in the flash area of the microprocessor. The transducer is pre-calibrated at 1 bar and is easily exchanged without any need for further calibration other than a simple reset and the setting of offset to local tide values. Local settings include current barometric and temperature offsets together with water density and display settings.

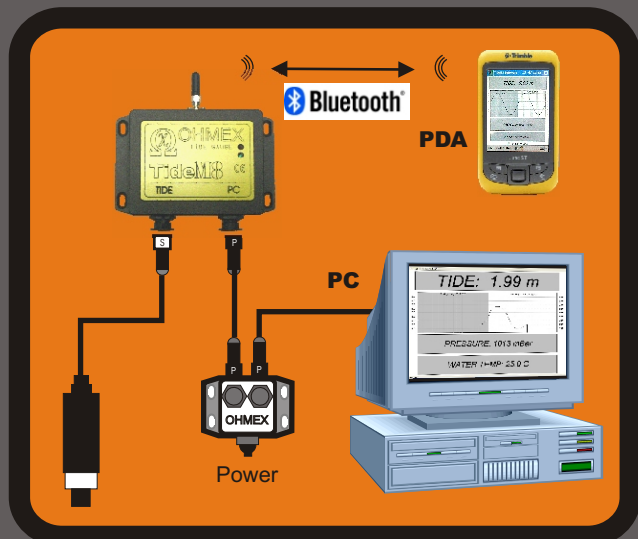


OHMEX

www.tidegauge.com

www.echo-sounder.com

The TideM8 is a black box instrument designed around the same 'winstrument' specification as used in the popular SonarMite portable echo sounder, this design criteria specifies that all display and interactive communications with the instrument use Bluetooth radio technology to communicate with a PC or PDA device. Through extensive experience of tide gauge installation and manufacture the TideM8 design is modular with separate radios, gauge, display and power supply units. This modular design enables the user to configure every combination from a simple gauge and PDA to a gauge and remote display using radio telemetry communications.



The TideM8 is supplied with a 1 bar unvented pressure sensor transducer with integrated water temperature measurement. The stainless steel sensor which is dynamically adjusted for variations in air pressure using the integrated TideM8 barometric sensor. By not having a vent tube within the sensor cable makes the transducer connection a simple electrical cable which can be extended up to 50m and easily routed for site installation.

Sophisticated internal power switching enable the TideM8 to be configured as a remote tide gauge using solar cells for power supply, the switched power can also be routed through the radio modem as an additional power saving feature.

The TM8 software supplied with the instrument can be run on a PC or PDA device to provide a display of current values together with a recent tide curve history over the previous 48 hours. The software includes a timeout function to prevent the display of tide data more than 1 minute old.



Stainless Steel Transducer

The TideM8 is designed primarily as a simple to install tide level monitoring system, for use by port and harbour authorities both large and small. The device can be used in systems ranging from a simple recording gauge with a PDA or PC display through to a sophisticated multiple gauge and environmental data system using the network based EDAS software.

Ohmex is a company formed to manufacture and distribute products designed by L.M.Technical Services. This company established in 1982 was founded on technological innovation and design. The company prides itself on being the first to produce products in the field of instrumentation and software used within the Earth Science sectors. Achievements to date include DGM, the first digital ground modeling software to run a standard PC, SONARLITE, the first truly portable echo sounder, TIDALITE the first portable Tide Gauge, EDAS, Integrated tide and weather networked software for use by ports and harbours. WinSTRUMENTATION - The integration of Instrumentation, Wireless networks and modern portable computer equipment.



TIDEM8 POWER SUPPLY



The TideM8 power supply will accept 10-30 vDC or 90 to 300 vAC using the mains adaptor provided. The regulator unit is protected against short circuit in cables by a resettable thermal fuse.



www.ohmex.com