

# OCEAN SEVEN DATA LOGGER

OCEAN SEVEN 602 is a data logging instrument complete with UMTS (2G/3G) wireless data telemetry and a double RS232 or RS485 interface dedicated to OCEAN SEVEN 3xx multi-parameter CTDs. The OS602 operates at user configurable data acquisition intervals, acquiring data from the interfaced OS3xx CTDs. Acquired data is stored (backup) in the built-in SD card (8GByte) and automatically transmitted to a configurable FTP site through the integrated UMTS (2G/3G) data transceiver module. Transmitted data is stored on the FTP server in text files. Acquisition interval and OS602 operations can be remotely customized by means of the “OCEAN SEVEN Configurator” program. A built-in Lead rechargeable battery allow logging operations in absence of external power source.

## Key features

- USB allow local access for servicing & configuration
- Sealed, rugged, plastic IP-65 housing
- Integrated 2G/3G data transceiver & antenna
- FTP internet protocol

## Applications

- Water quality monitoring
- Remote environmental monitoring
- Moorings

## System specifications

<i>Data logging interval:</i>	15s up to 1day user configurable
<i>Data memory:</i>	8 GByte, SD card
<i>Configuration memory:</i>	16Kbit non-volatile memory
<i>Interfaces</i>	<i>Service:</i> USB
	<i>CTD interface:</i> 2x RS232C or RS485
<i>Interfaced CTDs data provider:</i>	OCEAN SEVEN 3xx multi-parameter probes (PTP protocol)
<i>Data telemetry module:</i>	UMTS (2G/3G), antenna integrated inside the plastic housing
<i>Operator interface:</i>	friendly menu driven UI
<i>Communication</i>	<i>local download:</i> PTP proprietary plain ASCII message protocol
	<i>Remote:</i> internet TCP/IP – FTP
<i>Software:</i>	WTERM, Buoy Controller Configurator
<i>Power:</i>	<i>Voltage:</i> 9 to 18 VDC
	<i>Running:</i> 25mA@12VDC, (250mA transmitting) does not include the interfaced CTDs power consumption
	<i>Stand-by:</i> 20uA@12 VDC
	<i>Backup battery:</i> Internal sealed Lead rechargeable battery: 7Ah, 12VDC
<i>Dimensions:</i>	<i>sealed container:</i> IP-65 plastic square container (289 x 239 x 108 mm)
	<i>Weight:</i> 3.5 kg
<i>External IP-65 connectors:</i>	1 x 7 pin – 1 <sup>st</sup> OCEAN SEVEN 3xx CTD
	1 x 7 pin – 2 <sup>nd</sup> OCEAN SEVEN 3xx CTD
	1 x 4 pin – Solar panel 12V Pb battery charger
	1 x Mini B USB

