

OCEAN SEVEN 602

WIRELESS DATA TRANSMITTER

OCEAN SEVEN 602 is a data logging instrument complete with UMTS (2G/3G) wireless data transmitter and a double RS232/RS485 interface dedicated to OCEAN SEVEN 3xx multi-parameter CTDs. The OCEAN SEVEN 602 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 through the internet network to a configurable FTP site by means of the integrated data transceiver module: UMTS (2G/3G). Transmitted data is saved on the FTP server in text files. Acquisition interval and OCEAN SEVEN 602 operations can be remotely customized by means of the "OCEAN SEVEN 602 Configurator" program.

Key features

- Direct USB connection for the UI interface
- Sealed, rugged, submersible housing
- Integrated 2G/3G data transceiver & antenna
- Support for FTP internet network 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>	Service: USB
	CTD interface: 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 in the POM housing
<i>Operator interface:</i>	friendly menu driven UI
<i>Communication protocol:</i>	
	Local download: PTP proprietary plain ASCII message protocol
	Remote: internet TCP/IP – FTP
<i>Software:</i>	WTERM, OS602 Configurator
<i>Power supply:</i>	
	Running: 9 to 18 VDC, 25mA@12VDC, (250mA transmitting)
	Stand-by: 20µA@12 VDC
<i>Dimensions:</i>	
	sealed container: POM cylindric housing, Ø 100mm x 500mm
	Weight (in air): 3.0 kg
<i>External connectors:</i>	1x6 pin MCBH connector, 1 st OCEAN SEVEN 3xx CTD
	1x6 pin MCBH connector, 2 nd OCEAN SEVEN 3xx CTD
	1x6 pin MCBH connector, service USB & External power supply

Options

Battery pack: IDRONAUT submersible rechargeable battery pack: 14.4V, 4.5Ah

