



ITC

INTELLIGENT TOP CAP

Specifications

GSM Net-Supported Frequency
GSM 850/1900 Mhz (Dual band)

SMS Active Data Transfer
Supported

Data Download Direct Connection
Supported

Supported Data Loggers
OTT Orpheus Mini, OTT Thalimedes

Interface

OTT Orpheus Mini: Infrared (IrDA)
OTT Thalimedes: RS-232

Power Supply (Internal)

Lithium battery type D-UM1 (3.6 V/13 Ah)
Expected battery life: ~2 years at 1 SMS per day; ~1 year at one 15-min. timeslot per day

Power Supply (External)

12 V battery or solar power supply (12 W, 6.5 Ah)

Housing Material

Aluminum with UV resistant coat

Antenna

Omni-directional flat antenna included within housing

Weight

Approx. 3 kg (6.6 lbs.)

Operating Temperature

-20 to 60°C (-4 to 140°F)

Relative Humidity

0 to 95 % (not condensating)

Ingress Protection Rating

IP 67

Dimensions Ø x H

165 mm x 190 mm (6.5 in x 7.5 in.)

Installation Options

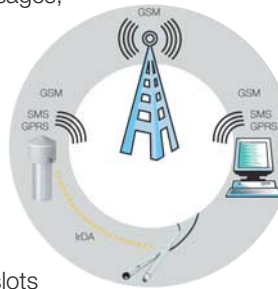
2", 3", and 4" wells,
no thread necessary for installation



The OTT ITC is a high performance, yet compact and economical, means of remote communications via GSM/SMS for the OTT Orpheus Mini or Thalimedes instruments.

Features

- Addition of the OTT ITC to select OTT instruments creates a complete monitoring, data storage, and communications station in a compact and economical package
- Configurable for any of the following:
 - SMS active transfer; automatically self-timed transfer to PC or data center
 - SMS alarm messages; alarm triggered as pre-set thresholds are achieved then sent to phone, email, or fax*
 - Data on request; polling during dedicated time slots



**Feature available only for OTT Orpheus Mini.*

- Applicable in well pipes from 2-inch diameter
- Power supplied by easily accessible lithium battery or external supply such as solar panel
- Compatible with OTT Orpheus Mini Groundwater Pressure Sensor and Logger or OTT Thalimedes Shaft Encoder



OTT ITC with Orpheus Mini Pressure/Temperature Logger deployed in a 4-inch well.

Benefits

- Incredibly economical means of transforming a groundwater measuring site to a complete data transmission system, which means infrequent trips to remote wells for data download
 - Once the OTT ITC and Orpheus Mini are deployed, the site may not require a visit for 2 years!
- Complete solution: Sensor, transmission unit, data management and evaluation software. All the components are coordinated, which guarantees a smooth operation.
- Wireless data transmission between OTT Orpheus Mini data logger and ITC allows reference measurements without removing any of the OTT instruments. In a 4" well,

even samples can be drawn without removing the instruments.

- Flexibility allows the user to choose the data transmission most appropriate for their needs—through SMS or time-slot method
- Flexibility in the power supply allows the user to configure according to the site's needs—either a lithium battery or a solar power supply can be used
- Low power draw means that the ITC can transmit data for up to two years without maintenance
- No tools required for battery change
- Flood-protected housing improves reliability in the field
- Easy installation on 2", 3", and 4" well pipes without thread



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