ARB® UTILITY MANAGEMENT SYSTEMS™

NEPTUNE TECHNOLOGY GROUP

CELLO CELLULAR DATA LOGGER

What is the Cello?
- The Cello is a flow data logger device that transmits its data over an existing GSM/GPRS cellular network.

Why do I need a Cello flow data logger?
- The Cello is designed to be used by utilities that need a daily read from their remote meters and do not want to travel to the location every day.

With what registers is the Cello compatible?
- The Cello is compatible with Neptune E-Coder® registers, providing 8-digit read resolution to N_SIGHT™ host software.

Does the Cello transmit E-Coder leak, reverse flow, and no-flow flags?
- No. The Cello does not transmit the E-Coder leak, reverse flow, and no-flow flags.

Can I connect my compound meter to a Cello?
- Yes. The Cello is configurable for two "channels" of flow data, for use with compound meters, or for other applications where there are two E-Coder-equipped meters.

How is the Cello powered?
- The Cello has an internal lithium cell battery.

What is the battery life of a Cello?
- Typical battery life for the Cello is five (5) years depending on mode of use and call-in frequency.

Is the Cello waterproof?
- The Cello conforms to IP68 classification and is submersible at a one meter (1m) depth for greater than 24 hours.

Can a Cello be mounted in a meter pit or vault?
- Yes. The Cello has a custom-designed antenna to maximize the GSM signal in underground locations.

How do you mount a Cello?
- The Cello comes with a hanging bracket that securely mounts the unit to the wall inside of a meter vault.

How do you configure a Cello?
- The Cello is configured through the WinGPS software available free of charge as a separate item.

When programming the Cello, how do we know we are communicating?
- The Cello will monitor the cellular communications and, in a communications window within the WinGPS software, show the progress of connecting to the network, as well as signal strength.

How can I verify the local cellular network coverage before I deploy a Cello?
- The Cello is a 2G GSM/GPRS cellular wireless device compatible with AT&T and T-Mobile 2G networks. Cellular network availability at the site location can be verified using coverage maps from the providers, available online. Be sure to select the "2G network" version of the map.

    T-Mobile: http://www.t-mobile.com/coverage/pcc.aspx/

    AT&T: http://www.att.com/maps/wireless-coverage.html#fbid=YfMhdJIrSq0

Since the communication is cellular, do we have to purchase cellular minutes?

- No. You do not have to purchase any additional minutes. Included in the purchase price of the Cello is a data plan that will cover daily transmissions for five (5) years, which equates to the expected life of the device's battery.

What if I configure the Cello for more frequent daily transmissions than allowed for in the plan?

- The data plan allows for a limited amount of total data transmissions. If total data usage exceeds the plan allowance, the Cello will cease transmissions over the network.

Is the battery replaceable?

- No.

Can I connect another radio MIU in parallel to the Cello as backup?

- No. The Cello is an independent reading device that cannot be connected to another system without possible damage to either or both systems.

How do I see my reads and generate reports?

- When used with the Neptune E-Coder register, our N_SIGHT host software receives the reads as well as the interval data for simplified viewing and report generation.

What do the reads look like in my software?

- The reads that are imported into N_SIGHT are raw read data and will display an 8-digit raw read without decimal places.

Can I use the reads to send to billing?

- Yes. You can use the reads to send to billing. You must put all your meters, which are connected to Cellos, in a route and import into N_SIGHT host software to match up the address and adjust your dials per settings obtained from the billing system.

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