

# Dialog3G Cellular™ 500

Remote Small Concentrator



The Dialog3G Cellular™ 500 (DC500) is a self powered unit for cellular metering and control. The DC500 functions as a small concentrator for up to 500 water meters. The DC500 can support the following alerts: Leaks, Tamper, High and low flows, Water level and pressure, Low battery indication, Meter reading indication and CCW alarm.



## Applications

The DC500 can be connected to Dialog 3G water meters. With its built in GPRS Modem, the DC500 uses available cellular networks for transmitting metering data to the Dialog3G control center. This self powered unit can transmit its accumulated data several times each day, subject to programming.

## Features

- Collects up to 500 3G meters via RF link
- Quad band cellular network support
- Remote parameters programming
- Remote server time synchronization
- Local diagnostics RS232/USB connection

## Specifications 3SI

- Mode - Receive Only
- Frequency - IL/WB 916.3 MHz /EU 868.3 MHz / IN 866.1 MHz
- Modulation - FSK
- Sensitivity (10% PER, 128bits packet length) - -99dBm
- Selectivity @ 1MHz - 50dB
- Selectivity @ 5MHz - 70dB
- Error Detection - Yes
- Error Correcting - Up to 3 Errors
- Receiver Current - 40mA

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## Technical

Parameters	Description
<b>Description</b>	DC-500 Concentrator
<b>Input Connection Type</b>	Serial connection (RS232/USB)
<b>Box Size</b>	160x130x60mm
<b>Unit weight</b>	2 Batteries power: 1150 grams 8 Batteries power: 1800 grams (External Antenna)
<b>Power Supply</b>	Battery: 2/8 Lithium Batteries, "D" size
<b>Operational Life</b>	5 years (calculated for default use, one transmit a day with 2 batteries)
<b>Protocols</b>	TCP/IP over GPRS, Text/UDP for SMS
<b>Transmission Standards</b>	UMDS GPRS/GSM
<b>Frequencies</b>	800/900/1700/1800 MHz
<b>Configuration Storage</b>	Non-volatile memory
<b>GPRS Standards</b>	ETSI ITU-T
<b>Environmental</b>	IP-67

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