



DataCell



www.DataCell.co

TP

Corrosion Protection
Network Monitoring
Event Alarming

- Inputs:
 - 1 voltage/current
 - 1 digital counter
 - 1 state/alarm
- Measure:
 - voltage
 - current
- Log:
 - voltage
 - current
- Alarm:
 - high
 - low
- Next G
 - data returned as scheduled
 - instant alarm notification
 - send to system
 - send to phone
- Rugged/Waterproof /Independent
 - IP68
 - Battery powered
- Integrate to:
 - SCADA
 - BMS
 - SQL
 - Monitoring Systems
 - Web Hosted Systems



Product Overview

The DataCell advanced data logger has been designed to provide automated remote monitoring and analysis of systems and environments critical to your needs.

The DataCell has been designed to be maintenance free, specifically for the harsh, remote environments where it is usually deployed.

Being battery powered and completely self contained the DataCell can monitor powered networks independent of the mains supply, enabling critical system on/off alarming. Further, it is designed to meet AS2831.1-2004, with periodic surveys enabled, to meet your CP needs.

The data from the DataCell is returned to you via the Next G/3G/GSM/GPRS network and can be automatically integrated into your business systems for analysis. KPI reports, trend analysis and alarming become a breeze and allow you to concentrate on business improvement rather than analysis.

Being absolutely independent of any other support systems, the DataCell is truly self sufficient.

Installation simply involves mounting the unit and sensor - no field calibration or configuration is required. The exceptional battery life will result in a low 'whole of life' cost of ownership.



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Specifications - CZ21073

Inputs

Range:	± 10 V
Resolution:	± 10mV
Current:	via shunt
Digital:	100 Hz max.
State:	Alarm

Logging

Memory:	16,000 records
Alarms:	Low/High reading in a period

Communications

Serial:	USB interface
Wireless:	Next G/3G/GSM/GPRS
Protocols:	TCP, FTP, Email, SMS
Delivery:	Data programmable from 1 hour Alarms - immediate

Clock

Real time with SNTP time update

Battery

Type:	3.6V Primary LiSOCl ₂
Life:	Typically 5 years, configuration dependant

Physical

Dimensions:	68mmØ x 170mm
Weight:	415 grams
Environmental :	IP68
Operating Temperature:	0°C to +50°C
Storage Temperature:	-20°C to +70°C

Applicable Standards

AS 60529 -2004: IP68	IEC 60529 Ed 2.1: IP68
AS/NZS 60950.1:2011	EN 60950-1:2006/A11:2009
AS/NZS CISPR 22:2009	
RMC	
CE	