DataCell
Advanced Data Logger

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 INDEPENDANT
- » IP68
- » Battery powered

INTEGRATE TO
- » SCADA
- » BMS
- » SQL
- » Monitoring Systems
- » Web Hosted Systems

3C Corrosion Control Company AB

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 or unpowered networks independant of the mains supply, enabling critical system measurement, monitoring, and alarming.

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. Data can be returned directly to your system or displayed on the DataScape web platform.

Being absolutely independant of any other support systems, the DataCell is truely 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.

3C Corrosion Company is a distributor of:

Specifications—CZ21073

Inputs

Analogue Range	± 10 V
Analogue Resolution	± 10mV
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 LiSOCl2
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	