

# DataCell



# ATx

Analogue and  
Digital monitoring

2 - way communications

- Complete control from your desktop.
- Records 4-20mA readings.
- Able to interface with RS232 sensors.

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**AEGIS**

[www.DataCell.co](http://www.DataCell.co)

## Product Overview

The DataCell Atx advanced data logger has been designed to give you complete control of your data logging fleet without leaving your office. However, the DataCell Atx is not just a digital data logger (counting, events etc), now it can also measure analogue signals (4-20mA), and interface to RS232 sensors as well.

Also it is a highly capable alarming device providing condition warnings for the water, refrigeration and air conditioning industries to name just a few.

Equipped with two-way communications capability, the unit can be remotely interrogated and reprogrammed allowing full access to all of the DataCell Atx features and the ability to correct any installation programming errors without an expensive field visit.

In addition to the two-way communications, the DataCell Atx has a number of advanced features including: - programmable SNTP time update, low battery warning, local communications activity notification via LED's, easy to understand SMS message format and improved communications retry logic.

Once installed, the DataCell Atx should continue to operate without further adjustment for the expected life of its batteries. Typical operation parameters can be changed by using the Connect software suite.

## Part Numbers

Sealed for Life	CZ21059
Screw Together	CZ21058



### Australia:

#### Aegis

Toll Free: 1300 723 447  
200 Rooks Road  
Vermont, Vic. 3133  
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## Specifications

### Inputs

Up to 3 unpowered floating Voltage free inputs (non isolated)  
Up to 3 powered floating 4-20 mA inputs (non isolated)  
1 x RS232 input  
Short cable mode: - Max input cable length 4 metres  
Long cable mode: - Max input cable length 10 metres

### Communications

Serial: Infrared interface  
Wireless: GSM/GPRS modem

### Logging

Memory: 2 million records  
Alarms: Low or Zero usage in a period  
High usage in a period  
Return of state  
Tamper detection  
Clock: Real time with time and date stamp  
Remote SNTP time update

### Electrical

Inputs: Digital: maximum output current 270µA DC @ 2.7V DC  
Output: Sensor supply: maximum output current 50mA @ 24V DC nominal  
GSM Output Power: +23 dBm  
Power Source: 3 x primary lithium battery cells (3.6V@14AH)  
Battery Life: Typically 10 years at one call per day and 1 channel, 5 minute logging

## Physical

Dimensions	93mmØ x 230mm
Weight	970 grams
Environmental	IP67

Operating Temperature -20°C to +55°C  
Storage Temperature Preferably not above 30°C

## Applicable Standards

IEC 529 (1989): IP67  
AS 1939-1990: IP67  
AS/NZS 60950.1:2011  
EN 60950-1:2006/A11:2009  
C-Tick  
Manufactured under a Quality System complying to ISO9001 (QEC Lic.5948)