DataCell

Rtx Ex

Intrinsically Safe Environmental Monitoring Process Control

IECEx Certification

Ex ia IIC T4 (-20°C to +55°C)

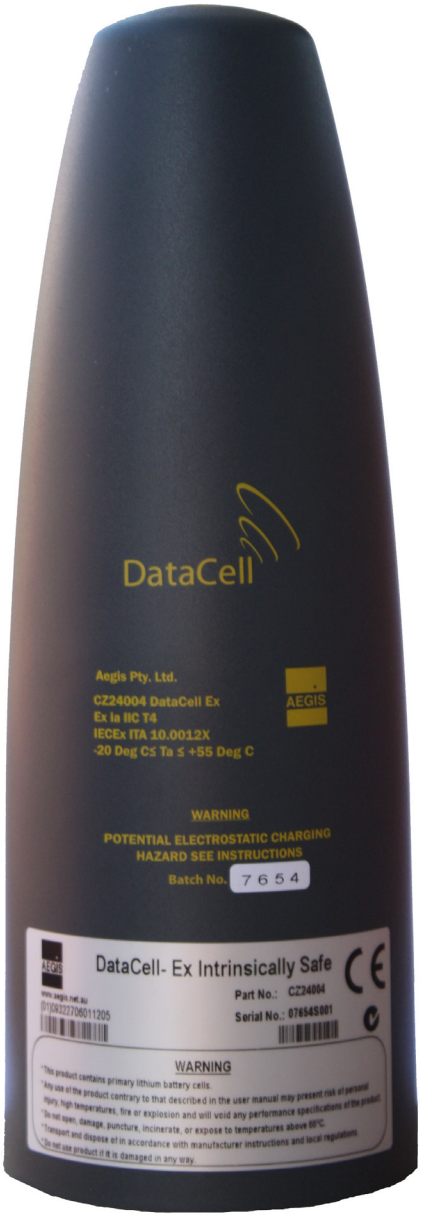
- 4 digital inputs

- Measure, log, alarm:
  - flow
  - temperature
  - presure
  - level
  - events
  - alarms
  - security
  - tamper
  - air conditioning
  - refrigeration
  - environmental

- Data and alarms returned via the GSM network when you need it

- Rugged/Waterproof/Independant
  - IP68
  - Battery powered
  - Typical 10 year battery life

- Integrate to:
  - SCADA
  - BMS



www.DataCell.co

AEGIS

QUALITY TEST EQUIPMENT 75 years Est. 1933

DataCell

Rtx Ex
Data logger

Product Overview

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

The DataCell RTx Ex meets the requirements of the IEC Certification Scheme for Explosive Atmospheres, certified to be intrinsically safe, meeting Ex ia IIC T4 (-20°C to +50°C).

Being battery powered and IP68 the DataCell RTx Ex is a true 'set and forget' piece of network hardware, suitable for all internal and external applications. Pipeline networks such as gas are a specialty.

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

Configuration of your DataCell RTx Ex fleet is managed from your desktop throughout deployment and use. Installation simply involves mounting of the unit and sensor(s) - no field calibration or configuration is required.

Specifications

Inputs
Up to 4 digital inputs (non isolated)

Logging

Memory:	2 million records
Alarms:	Low or Zero usage in a period
	High usage in a period
	Return of state
	Tamper detection

Communications
Serial: Infrared interface
Wireless: GSM/GPRS modem

Clock
Real time with time and date stamp
Remote SNTP time update

Electrical

Battery Life:	5 - 10 years depending upon configuration

Physical

Dimensions:	93mmØ x 230mm
Weight:	970 grams
Environmental :	IP68
Operating Temperature:	0°C to +50°C
Storage Temperature:	-20°C to +70°C

Applicable Standards
IEC 529 (1989): IP68
IEC 60079-0 : 2004
IEC 60079-11 : 2006
AS 1939-1990: IP68
AS/NZS 60950.1:2011
EN 60950-1:2006/A11:2009
C-Tick
CE

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