



**Axinum Innovations & Technologies**  
670 Marlisa Place • Victoria • BC • Canada • V9B 4Y8  
Voice: 250•478•0015 Fax: 250•478•0420  
info@axinum.com  
WWW.AXINUM.COM

## RGL-100 Multi-Channel Data Logger

The RGL-100 Multi-channel Data loggers makes it easy to record conditions such as temperatures, pressures, fluid levels, humidity , rainfall , voltages , and alarm conditions for fast graphical and tabular analysis on laptop or desktop IBM/PC. Get your data instantly from miles away by using a telephone modem with your RGL-100 DATA LOGGER. Graph your data within seconds with AXINUM >s LS-4 advanced data logging software or quickly move the data to standard software products such as Lotus 123, Excel, Quattro, MSWord or Word Perfect.

### Hardware Features

- Up to five year battery life
- 10 year data retention
- Wide temperature range
- Large solid state memory
- Low drift real-time calendar clock
- Internal temperature sensor
- Strobe input control line
- Voltage regulated output control
- Telephone line compatibility
- Lightweight portability

### Software Features

- IBM/PC compatibility
- LOTUS compatible
- Easy programmability
- Software controlled zero/span
- Single or double precision
- Stop on memory full or wrap-around
- Fixed interval or exception recording
- High or low speed recording intervals
- Delayed start time
- Advance probe action
- Soft selection of inputs
- Continue monitoring function
- Min./max./avg. functions
- Note pad

## SPECIFICATIONS

### ● Analog Inputs

QUANTITY: 8 Single Ended  
RANGE: 0 - 2.5v D.C.  
SOFT CONTROL: Chan. Selection 2.5/5.0 Volt Range(4-20ma)  
STORAGE RES. : 1/16383 (14Bits)  
A/D RESOLUTION : 1/8191 (13Bits)  
A/D ACCURACY : 1/4095 (12Bits)  
IMPEDANCE : > 1 Megohm

### ● Status (Contact) Inputs

QUANTITY: 8 Regular & 1 Strobe  
TYPE: Switch to ground TTL Compatible  
STROBE RANGE; 0 to 99,999,999  
SPEED: 20 Hz  
CONDITIONING: Soft Debounce

### ● Output Power Switching

VOLTAGE REF: 2.5 volts, 10ma source  
SOFT CONTROL: 35 TO 835 mSec warm up  
CURRENT SWITCH: 1.6 amp max.

### ● Communication

SPEED: 4800 Baud  
DATA TRANSFER: 32K/80 Sec  
ERROR HANDLING: CRC Multiple Retry  
TYPE: RS 232C  
INTERFACE: 9 Pin Male/D

### ● Data Storage

MEMORY SIZE: 64K Samples  
TYPE: RAM backed by 10 yr lithium battery

### ● Power Consumption

VOLTAGE I/P: 9.0 to 17.5 v dc  
CURRENT:  
SLEEP MODE: 100 micro amp (~ 1.0 mw)  
WAKE MODE: 6 ma-sec Power pulse  
COMMUNICATION: 6 ma-sec Power pulse

### ● Environmental

OPERATING TEMP: - 40 to + 75 degree C  
STORAGE TEMP: - 50 to +90 degree C  
HUMIDITY: 0% TO 95%