Monad Electronics

G1-805, Sitapura Industrial Area,
Tonk Road, Jaipur-302022
Phone:- +91-141-2771119, Fax:-+91-1412550005
Website:- www.monadindia.com
Email:- mail@monadindia.com,monadindia@yahoo.com

Introduction

Winner of National Award for year 2009-2010 in R&D

Monad Electronics is An ISO 9001:2015 certified company, which has been involved for over 20 year in the business of designing, manufacturing and export of Electronic Industrial products, Testing equipments , sensors and related indicating and controlling devices and allied products related to Data logging & Acquisition.

Monad is specialized in providing high end and high accuracy customized Force Transducers, Multi-Axial Force Transducers and Torque Sensors. Monad is an expert in providing import substitutes of high end Load Cells, Safe Load Indicators, etc

We are supplying to leading industries and government institutions and are also exporting our products to USA, Germany, Belgium, Turkey, Australia, U.A.E., Singapore, Spain, Brazil, New Zealand, Philippines, UK, Croatia and to the African countries.

Monad Electronics,India

DATA LOGGER

Signal conditioning is required where the output of a transducer needs to be boosted or changed into a form suitable for the monitor or logging device which will be used. A very wide range of gain adjustment ensures that our amplifiers are compatible with the vast majority of LVDT and strain gauge sensors available from any manufacturer.

Modular signal conditioning allows the customer to select the type and quantity if input cards required for the application from a number of different types available. The system can be supplied with optional monitor/display/data logger units if required.

First Of all decide the type and quantity of modules required making sure to include any future requirements. Then decide if you need a monitor or data logger. Finally choose an appropriately sized housing with a power supply and blank panels to cover any unused slots.

DATA LOGGER

FEATURES

• 8 Differential input analog channels with fixed gain and filters

• 2 Bridge signal conditioning channels with programmable gain and filters accommodate

  1, 2 or 4 active bridge arms

• 2 Additional Frequency Measurement channels

• 10BaseT Ethernet connectivity to your PC or laptop for setup, data display and processing

• Wireless Ethernet available

• 16-bit analog-to-digital converter resolution

• Aggregate sampling rate of up to 32k samples/second

• Simple user interface allows quick setup for data collection and storage

• Local data storage via Compact Flash™ module

• Auto-configuration on power-up for stand-alone applications

• External trigger input provided

DATA LOGGER

Modular construction

Battery or mains operated and easily portable

Configuration and Metering by:

Panel controls and display

Locally connected PC (using Darca Software)

Remotely connected PC (using Darca Software) via GSM, land line or radio modem

Multi language set up menu

Measure up to 128 analogue or digital channels, such as temperature, humidity, pressure,

voltage, resistance, current or any other suitable sensor output

Readings can be scaled into appropriate units (e.g. M/sec, p.p.m.)

Low power consumption for long term unattended use or portable operation

Clearly labeled connector panel for quick on-site installation

Customized firmware for specialized requirements

LAN Network adaptor for Ethernet connection

DATA LOGGER

Input Range	0 to ±19999με
Resolution	2με
Outputs	Sensor power
No. Of Channel	8
Tolerance	± 0.3% FS ± 2 με
Maximum Scanning Speed	60 Channels/Per sec (For Static Test)
Display	LCD with backlit, Alphanumeric indication of the Output measured value in με
Interface	RS-232, 9-pin D-connector
Bridge Resistance	60-1000Ω(Gauge Factor = 2.0-2.13)
Software	MS Window based Strain logging and Display Software will be provided.

DATA LOGGER

- **Annotation:** Easily annotate specific data points on the graph with a click of the mouse.

- **Real-Time Recording:** Collect and display data and continue to log.

- **Scaling Options:** Auto scale function fits data to the screen or allows user to manually enter their own values

- **Overlay Multiple Graphs:** Simultaneously analyze data from several units or deployments; easily switch to a single data series.

- **Automatic Time Synchronization:** Automatically aligns and synchronizes data from multiple loggers on a single graph.

DATA LOGGER