Digital Readout System

The Digital Readout is a portable readout unit which can be used for all kind of vibrating wire transducers in all-weather condition. The Digital Readout is a Micro-processor based unit which can display the measured frequency in terms of Time Period, Frequency, Frequency Squared or the value of measured parameter directly in the engineering unit. The sensors temperature can be displayed in ˚C. The user friendly readout provides the following: -

- ➢ Portability
- ➢ Easy Operation
- ➢ High Accuracy & Resolution
- ➢ 6V 4.5 Ah VLRA Internal Battery
- ➢ 20 X 4 Display
- ➢ Easy User Interface
- ➢ USB Data Retrieval

Features: -

- ❖ Robust, Easy to Operate.
- ❖ Storage Facility for calibration Co-efficient of up to 100 sensors.
- ❖ Data Storage facility for around 1, 00, 00,000 reading from any 1 sensor or 40000 sets of reading from all the sensors.
- ❖ Easy Data Retrieval by U.S.B Pen Drive. No P.C Required.
- ❖ Powered by Internal 6V rechargeable battery.

Description: -

The Digital Readout is easy to use Vibrating Wire Readout. It's easy user interface makes it very simple to operate. The calibration data for sensors setup and sensors reading can easily be retrieved and sent through Pen Drive which can be ejected for transferring the data to PC. The Internal Battery provides long support for more than 100 continuous hours. Bright 20 X 4 provides better display conditions. The unit is compact and very easy to carry which makes is very portable.

Technical Specification: -

Input: -

Suitable for all inputs from all vibrating wire type sensors.

Frequency Measurement: -

Range   500 Hz – 5KHz

Measurement Time: 128 Cycle

Measurement Parameter: Time Period

Resolution: -

 0.1 micro second (In-Time Period)

0.1   Frequency

Display Parameter: -

Time Period, Frequency, Frequency Squared **&** Engineering Units.

Temperature Parameter: -

Only for Sensors provided with 3KOhm Thermistor.

Range: -   +50˚C to -50˚C

Resolution: 1˚C

Display: -

20 x 4 Backlit Display

Keyboard: -

16 Key Push Button Keypad. Keys are Multi-Functional.

Engineering Unit Display: -

µ (micro-strain)

K.S.C (Kg/Cm) ²

Kilogram, Ton

Millimetre, Meter, Centimetre & Degree

Environment: -

Operating temperature 5 to 55˚C

Operating Humidity range 10% to 90%

No Condensation.

Memory: -

INTERNAL ROM MEMORY
Data Retrieval On USB-Drive by user Command (Expandable up to 32GB)

This Is data memory provided non-volatile storage for 100 sensor calibration and 1,00,00,000 sets of **Time Stamped Data**. Each data set consist of one parameter reading and corresponding temperature reading together with Date & Time data will be stored.

Real Time Clock: -

A Real Time Clock is provided for Time &Date stamping of data stored.

Diagnostics: -

Power On self-test

Power Supply: -

Internal 6V 4.5Ah VLRA Lead Acid Battery. A compatible 220V A.C input (Output 7.5V @750 mAh D.C)

Input / Output Connectors: -

5 Pin Connector for Sensor.

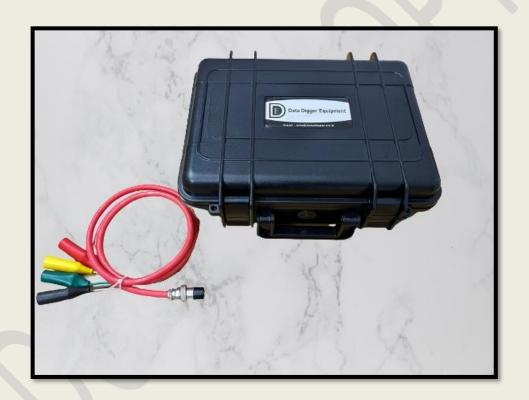4 Pin Connector for Battery Charger.

Housing: -

ABS Hardbox Body with Numeric Code Lock.

Dimensions: -190 x 110 x 85 mm

Digital Readout System

In The Box: -

- ❖ 1 Readout Unit.
- ❖ 1 Sensor Input Probe.
- ❖ 1 battery Charger with Cable.
- ❖ 1 Setup Guide & Manual.

DIGITAL READOUT SYSTEM

DATA DIGGER EQUIPMENT

Contact:

Data Digger Equipment
568 K/240, Krishnapalli,
Alambagh,Lucknow
Uttar Pradesh
226005

Phone: +91-7880650032, +91-7505751181
E-mail: info@datadigger.co.in

Website: datadigger.co.in

Digital Readout System