

DRS - 3700

Digital Readout System



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

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
- Big 3.2" T.F.T Display
- Easy User Interface
- USB Data Retrieval

►► Features:

- Robust, Easy to Operate.
- Storage Facility for calibration Co-efficient of up to 250 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 3.2" T.F.T provides better display conditions. The unit is compact and very easy to carry which makes is very portable.

►► Specifications:

Input:	Suitable for all inputs from all vibrating wire type sensors.
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:	3.2" (320*240) T.F.T Display
Keyboard:	3 Key Push Button Keypad. Keys are Multi-Functional.

Engineering Unit Display:	<p>μ (micro-strain) K.S.C (Kg/Cm)² Kilogram, Ton Millimetre, Meter, Centimetre & Degree</p>
Environment:	<p>Operating temperature 5 to 55°C Operating Humidity range 10% to 90% No Condensation.</p>
Memory:	<p>8 GB U.S.B Flash Memory Stick (Expandable up to 32GB)</p> <p>This Is data memory provided non-volatile storage for 250 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.</p>
Real Time Clock:	A Real Time Clock is provided for Time & Date stamping of data stored.
Diagnostics:	Power On self-test
Power Supply:	<p>Internal 6V 4.5Ah VLRA Lead Acid Battery.</p> <p>A compatible 220V A.C input (Output 7.5V @750 mAh D.C)</p>
Input / Output Connectors:	<p>5 Pin Connector for Sensor.</p> <p>4 Pin Connector for Battery Charger.</p>
Housing:	Aluminium Body with Numeric Code Lock.
Dimensions:	190 x 155 x 130 CM

►► **In The Box:**

- 1 Readout Unit.
- 1 Sensor Input Probe.
- 1 battery Charger with Cable.
- 1 8GB U.S.B Memory Stick.
- 1 Carrying Case.
- 1 Setup Guide & Manual.

Regulatory compliances



Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



Analytical Foundation

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at Info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

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