



ADHAR INSTRUMENTS & SERVICES



VW Read Out Unit

Vibrating Wire Read Out Unit [AIS-1800]:

Applications:

Adhar Instruments & Services make VW Read Out Unit model AIS-1800 is microprocessor based recorder designed to measure most types of commercially available VW instruments requiring sweep excitation signal.

The unit is portable, robust and suitable for harsh environment. It is capable of storing and displaying time stamped engineering unit data. The unit will also simultaneously measure the thermistor.

2020

Specifications

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|-----------------------------|--|
| Sensors | Vibrating Wire and Thermistor |
| Frequency Range | 350Hz to 6000Hz with measuring time 0.01ms |
| Excitation to sensors | 5V typical square wave, peak to peak |
| Display | Four line alpha numeric LCD |
| Engineering unit | me (micro strain), KSC (Kg/Cm ²), kg, t, mm, m, C and degree |
| Calibration Factor | Programmable to linear gauge factor and polynomial |
| Date & Time | Real Time Clock for date & time |
| Computer interface | RS-232 Serial Interface with baud rate 1200,2400 selectable |
| Power requirement | 6V, 4AH field maintenance free rechargeable battery |
| Storage capacity & Channels | 4GB USB, 7000 data points, with 700 sensors |
| Operating Temperature | -10° to 80°C |
| Date entry | Through membrane pad and computer |
| Data Download | Through USB Pendrive |
| Power Source | Rechargeable battery, 6V, 4Ah, up to 36 hrs. In continuous use |