

VW READOUT UNIT

INTRODUCTION:

The VW Readout Unit is designed and developed by PMT for vibrating wire sensor output only.

The Vibrating Wire Readout Unit is a microprocessor based indicator for use with complete range of Vibrating Wire Transducers. It can display the measured frequency in terms of time period, frequency, frequency squared of the value of the measured parameter directly in proper engineering units. The readings can be transferred to a host computer & imported into spreadsheet and database application.

FEATURES:

- Robust and easy to operate
- 20 hours continuous measurement
- Large LCD for easy reading
- Battery low indicator provided
- Selectable keyboard options
- Real time clock present for time & date stored

DESCRIPTION:

The VW Readout Unit is a user friendly readout that provides fast reading for all VW sensor based instruments. Its LCD displays readings in Hz, Hz², temperature & engineering units. This Readout Unit has the facility to log / store the data with sensor ID that may be specified while saving the readings. The user can connect the sensor with Readout Unit through RS232 & retrieve the readings & store them in as ASCII file, ready to open with a spreadsheet.

The Readout Unit when fully charged provides around 20 hours of operation. A low battery indicator provided to indicate that battery is low & needs to be charged. A separate battery charger is provided to charge the internal battery.

SPECIFICATIONS:

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|-----------------------------|---|
| Model | PMT-VDL-1000 |
| Applied sensor | Vibrating Wire |
| Frequency Range | 500 ~ 6,000 Hz |
| Storage Capacity | 1000 data |
| Resolution | 0.1Hz |
| Accuracy | 0.02% FSR |
| Display | 16 X 4 (LCD) |
| Display Resolution | 0.01% FSR |
| Operating temp | -20 ⁰ C ~ 70 ⁰ C |
| Temperature accuracy | ± 1 ⁰ C |
| Battery | 6V, Rechargeable SMF |
| Dimension | 15cm X 9cm X 13cm |
| Weight | 3kg |
| Displayed Parameters | Hz, HZ ² , Engg. Units, (ksc, ton, mm, ⁰ C, με) |
| Ordering Information | RS232 Cable / Carry Case / Connector with clip |



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Dimensions and ranges are nominal only and can be modified to suit project requirements.