

Introduction

VW Hub is a data collector designed for monitoring 16 vibrating wire sensors with a waterproof enclosure. VW Hub operates with four D cell batteries and it is capable of being stand-alone for 12 months. The device also can be powered by external DC power source for long time monitoring. This device is ideal for collecting vibrating wire sensors data due to its smart functions, such as wireless communication, instant display and Modbus RTU networking via RS485.

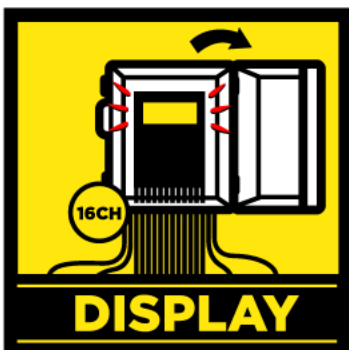
Specifications

Channel: 16
Sweeping Frequency: 450~6000Hz
Operating Temperature: -20~70 °C
Resolution: 0.01 Hz
Thermistor Resolution: 0.1 °C
Display: LCD, 20 chars X 2 lines
Network: RS-485 Modbus RTU/Slave
Power Supply: 9~30VDC
Dimensions: 28X28X18 cm
Enclosure: IP 65

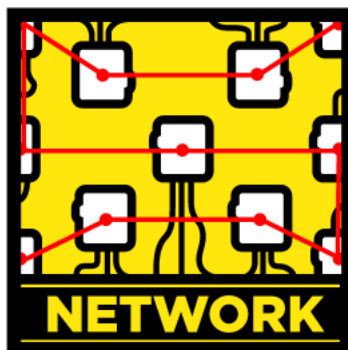
Application

- Monitoring VW type sensors such as piezometers, rebar stressmeter, strain gauges and etc...
- Monitoring pile-loading test, settlement and etc in real time through RS485.

Features



VW Hub displays data output on LCD for easy and instant reading.



VW Hub can be connected in series to create a monitoring network through Modbus protocol via RS485.



VW Hub provides automatic data read-out by using Smartphone via Bluetooth connection.



Since VW Hub is powered by four D cell batteries, it is able to be stand alone for at least 12 months.