

VWM 01

Handheld Readout Unit for Vibrating Wire Sensors (VW)



The Readout Unit VWM 01 is a compact and robust handheld indicator to measure sensors which operate according to the principle of vibrating wire (VW). The measured values of the vibrating wire sensors get displayed as a neutral-, as a linear value or as a period on the 63 x 35 mm display. The portable Readout Unit can also measure resistance and temperature of the sensor. It can indicate its current battery voltage. For an optional acoustic testing of the sensors, it is possible to connect earphones at the top of the unit. A technically improved protection and filtering circuit ensures an optimal and precise measurement. If necessary, the measuring process (excitation pulse, values times) and the measurable frequency range can be adapted to special sensors in the factory (for example Geonor sensors).

Benefits

- Simple handling
- Mains independent
- Small weight
- Illuminated display
- Display of temperature in Realtime °C

Functions

- Display mode as μ s, neutral value, linear value
- Resistance of transducer
- Temperatur of transducer
- Battery voltage

Technical specifications

Dimension:	9.5 x 19 x 4 cm
Weight:	0.4 kg
Language:	english
Measuring range (frequency):	0.5...3.5 kHz
Resistance:	0...1200 Ω
Measuring range temperature display	
Resistance:	0 - 21 k Ω
Temperature:	+100 up to -10 °C
Resolution:	0,01 K Ω (0,1 °C)
Inducing impulse:	60 V / 10 V switchable
Measuring error:	0,01 %
Resolution	0,1 μ s (time of oscillation) 0,1 f ² (Linear value) 1 NW (Neutral value) 1 Ω (Sensor resistance)
Display:	Matrix display
Display dimension:	63 x 35 mm
Ear receiver connection	2 x 200 Ω
Operating temperature range:	-10...+ 60 °C
Accu capacity:	2.3 Ah
Operating time with one accu charged:	10 hour
Protection type:	IP 65