

Anchor Load Cell-Specifications – 50 t capacity

Sensor element	Vibrating wire sensor
Safe overload	150% FSR
Resolution	0.025% FSR
Accuracy	±0.1% FSR
Nonlinearity	±0.5% FSR
Coefficient of linear expansion	$10.8 \times 10^{-6}/^{\circ}\text{C}$
Operating temp.	-30~80°C
Built-in temp. device	Thermistor (3k Ω)
Temp. device range	-30~105°C
Temp. device accuracy	±0.5°C
Sensor element	Standard : 3 VW strain gage(individual reading)
Waterproof	105m H ₂ O
Material of cell	SCM series steel
Sealing materials	High grade silicone potting

Signal Cable

: Shielded PVC sheath cable

Piezometers-Specifications

Sensor element	Vibrating wire sensor		
Range	3.5~70kg/cm ²	3.5, 7 kg/cm ²	1.0, 1.5, 2.0 kg/cm ²
Water head	35~700m H ₂ O	35~70m H ₂ O	0~20m H ₂ O
Resolution	0.025% FSR		
Accuracy	±0.1% FSR		
Nonlinearity	±0.5% FSR		
Over range capacity	150% FSR		
Thermal zero shift	Less than 0.05% FSR/°C		
Operating temperature	-30~80°C		
Built-in temperature device	Thermistor (3k Ω)		
Temperature device range	-30~105°C		
Temperature device accuracy	±0.5°C		
Waterproof	1000m H ₂ O		
Materials	Stainless steel, high grade epoxy resin potting		
Filter	Standard : 50 micron sintered stainless filter / air transit pressure : about 5.6kg/cm ² Optional : 1 micron / 100 micron ceramic filter		
Built-in lightning protection	Gas tube arrester (frequency output lines)		

Signal Cable:

Armored Fibre reinforced PU sheath cable

Sl. No.	Description
1.	VW Borehole Stress Meter – <u>Hard Rock Type</u> (Model: 1338 EX) Specifications: Borehole Diameter: 37 to 39 mm ; Sensor Element: VW Type Range: Compression 700 kg/cm ² (70 MPa), Sensitivity / Resolution: (14-70 kPa) Built in temperature device: Standard thermistor (3k Ω) Maximum borehole depth:30m Waterproof:105m h ₂ o Material: Stainless steel ; Along with shielded cable of 30 m length with each stress cell

V W Data Recorder - Specifications

Applied sensor	Vibrating wire sensor
Frequency range	450~6,000Hz
Displayed units	Hz, 10 ³ Hz ² , μ sec, °C, μ ϵ 0.3911, μ ϵ 0.7756, μ ϵ 3.304, μ ϵ 4.062,
Resolution	0.01% FSR(0.1Hz)
Accuracy	0.02% FSR(0.1Hz)
Operating temperature	-20~50°C
Communication port	RS-232 port
Temperature sensor	Thermistor(3k Ω), RTD(2k Ω)
Temperature resolution	0.1°C
Display	256 × 128 graphic LCD
Keyboard	Membrane key & 6 function keys pad
Data capacity	2,000 data points distributed in maximum of 127 data sets.
Power	4.8VDC/rechargeable Ni-MH battery
Battery life	30 hours
Dimensions	234 × 197 × 114mm
Weight	1.5kg
Material of case	ABS plastic case
Accessories	① Jumper cable ② Rechargeable adaptor ③ RS-232 cable

Borehole Extensometer (Potentiometric Type):

Specifications

- Sensor Type: Potentiometer
- Sensor Range: 100 mm
- Resolution: 0.01mm
- Accuracy: $\pm 0.1\%$ F.S.
- Temperature Range: -20 to 80°C
- Cable: 4-wire, shielded, polyurethane jacket.

Note: General Specification.

All ^{shall be} the VWT type sensors (vibrating wire sensor) technology
~~must be of Imported / Foreign make.~~ *For King*

