

VW Earth Pressure Cell

- Model : 1910
- Serial No. : 566858
- Range : 10kg/cm² (142psi)
- Temp. Device : Thermistor (3kΩ @25℃)
- Cal. Date : 2018.04.19
- Cal. Temp : 20℃
- Readout : ACE-1000
- Cable Length : 297m

Pressure (kg/cm ²)	Reading		Error (% FSR)
	Hz	10 ³ Hz ²	
0.0	2970.1	8821.5	0.017
2.0	2859.5	8176.7	-0.051
4.0	2743.8	7528.4	0.038
6.0	2624.0	6885.4	0.020
8.0	2499.1	6245.5	-0.036
10.0	2367.4	5604.6	0.012

■ Pressure(kg/cm²) = A × Hz² + B × Hz + C - Tct × (Tc - Ti)

● ABC Factor : Measuring [Hz]

A Factor : -0.0000029060
 B Factor : -0.0010803049
 C Factor : 28.8456070070

■ Pressure(kg/cm²) = Gage Factor × (Current Reading - Zero Reading) - Tct × (Tc - Ti)

● Gage Factor : Measuring [10³Hz²]

Gage Factor : -0.00311
 Zero Reading : 8819.02

Tct : Thermal Coefficient, Tc : Current Temperature, Ti : Initial Temperature

● Thermal Coefficient(kg/cm²/°C) : -0.001237

[Cable Connection]

Frequency - Red, Black

Temperature - Green, White

- The gage factor and zero reading of this calibration sheet are calculated using a linear regression analysis method.
- If any factor(overload, temperature, humidity etc.) that affects to the precision, accuracy of measuring instrument, it is useless.

Calibrated By : B. W. Nam /