



ZEROTRONIC SENSOR



Model: ZEROTRONIC SENSOR

An ultra precision level made by Swiss company WYLER AG.

The sensor head pendulum is completely covered by ceramic board to enclose inert gas.

It is durable and high accuracy is maintained despite changes in external temperature and humidity.

Product Description:

- For monitoring variations in the head column of machine lathes.
- For measurement of Important security facilities, bridges, buildings, dams, tunnels, generating stations standard decsk, adjustment decks, etc.

Special Features

- It is very strong and stable for use in outside environments.
- There are 5 Measurement Ranges that can be used depending on the application.
- Static or dynamic angular variation monitoring, measurement, display, and data processing are possible.

Code No.	AY1005	AY1001	AY1002	AY1003	AY1004
Equipment	ZERO-0.5	ZERO-1	ZERO-10	ZERO-30	ZERO-60
Measurement Range	±0.5°	± 1 °	±10°	±30°	±60°
Measurement Error in 24 hours (20°C) Zero Point (Drift)	0.070%F.S.	0.050%F.S.	0.015%F.S.	0.010%F.S.	0.005%F.S.
Measurement Error in 6 months (20°C) Zero Point (Drift)	0.170%F.S.	0.140%F.S.	0.055%F.S.	0.030%F.S.	0.035%F.S.
Gain (Gain)	0.250%R.O.	0.250%R.O.	0.060%R.O.	0.050%R.O.	0.027%R.O.
	+1sec	+1.5sec	+3.6sec	+5.4sec	+12sec
Measurement Error due to Temperature Change (/°C) (Temperature Range -40°C~85°C)					
Zero Point (Drift)	0.060%F.S.	0.040%F.S.	0.008%F.S.	0.005%F.S.	0.004%F.S.
Gain (Gain)	0.200%R.O.	0.200%R.O.	0.030%R.O.	0.020%R.O.	0.030%R.O.
Resolution (with out Filter, Temperature 20°C)					
Sampling Time 0.1sec	0.041%F.S.	0.025%F.S.	0.020%F.S.	0.020%F.S.	0.025%F.S.
Sampling Time 1.0 sec	0.020%F.S.	0.010%F.S.	0.005%F.S.	0.006%F.S.	0.004%F.S.
Sampling Time 10 sec	0.007%F.S.	0.006%F.S.	0.002%F.S.	0.003%F.S.	0.003%F.S.
Repeatability /Linearity	Depends on Resolution /Linearity Error is less than 0.1%				
Power Consumption	70mW				100mW
External Power Supply	12~48V (Blue Meter SIGMA or from T/C)				
External Output	Blue Meter SIGMA or use T/C				
Weight	118g				100g