

High Resolution SERVO ACCELERMETER

TOKYO SOKUSHIN CO., LTD.

3-14-34, OUGI, ADACHI-KU.TOKYO.
TEL 03-3855-5911 FAX 03-3855-5921
URL <http://www.to-soku.co.jp>

High Resolution Accelerometer for Seismic Measurement

AS-301 series

Uni-axis Model



AS-301C2W6

Model	Extension model	Full scale (Sensitivity)	Frequency response	Calibration Coil	Waterproof	Arrester	Dimension
AS-301C2W6	SDFDDC	±2000Gal (5mV/Gal)	DC to 250Hz	12.5μA/Gal	Non-waterproof	Not built-in	Fig.A
AS-301C2W6	SDFEDC		DC to 400Hz				
AS-301C1W5	SDFDDC	±2000Gal (5mV/Gal)	DC to 250Hz				
	SDFEDC	±2000Gal (5mV/Gal)	DC to 400Hz		100kpa		Fig.B
	SCFEDC	±3000Gal (3.3mV/Gal)					

AS-303 series

Tri-axis Model



AS-303C1WP



AS-303D2W2



AS-303T1W1

Model	Extension model	Full scale (Sensitivity)	Frequency response	Calibration coil	Waterproof	Arrester	Dimension
AS-303C1WP	SDFDDC	±2000Gal (5mV/Gal)	DC to 250Hz	12.5μA/Gal	10kpa	Built-in	Fig.D
	SDFEDC		DC to 400Hz				
	SCFDDC	±3000Gal (3.3mV/Gal)	DC to 250Hz				
	SCFEDC		DC to 400Hz				
AS-303D2W2	SDFDDC	±2000Gal (5mV/Gal)	DC to 250Hz	12.5μA/Gal	IP65	Not built-in	Fig.C
	SDFEDC		DC to 400Hz				
	SCFDDC	±3000Gal (3.3mV/Gal)	DC to 250Hz				
	SCFEDC		DC to 400Hz				
AS-303T1W1	SDFDDC	±2000Gal (5mV/Gal)	DC to 250Hz	12.5μA/Gal	IP65	Built-in	Fig.E
	SDFEDC		DC to 400Hz				
	SCFDDC	±3000Gal (3.3mV/Gal)	DC to 250Hz				
	SCFEDC		DC to 400Hz				

Tri-axis borehole type

Possible to bury up to 300m below the surface



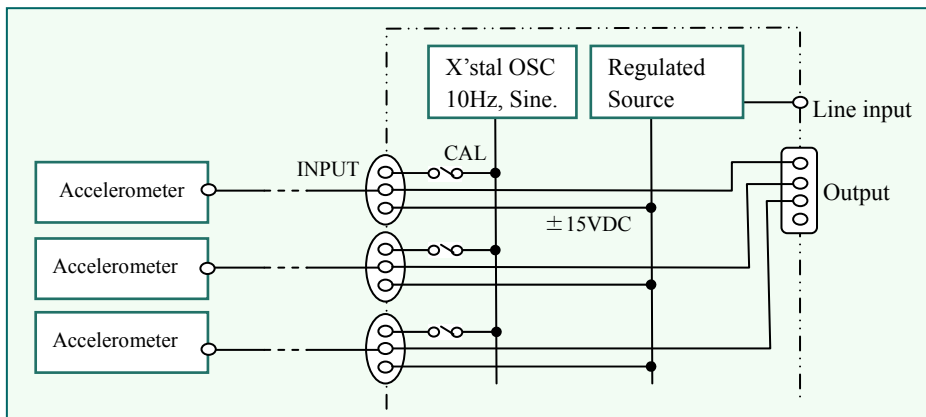
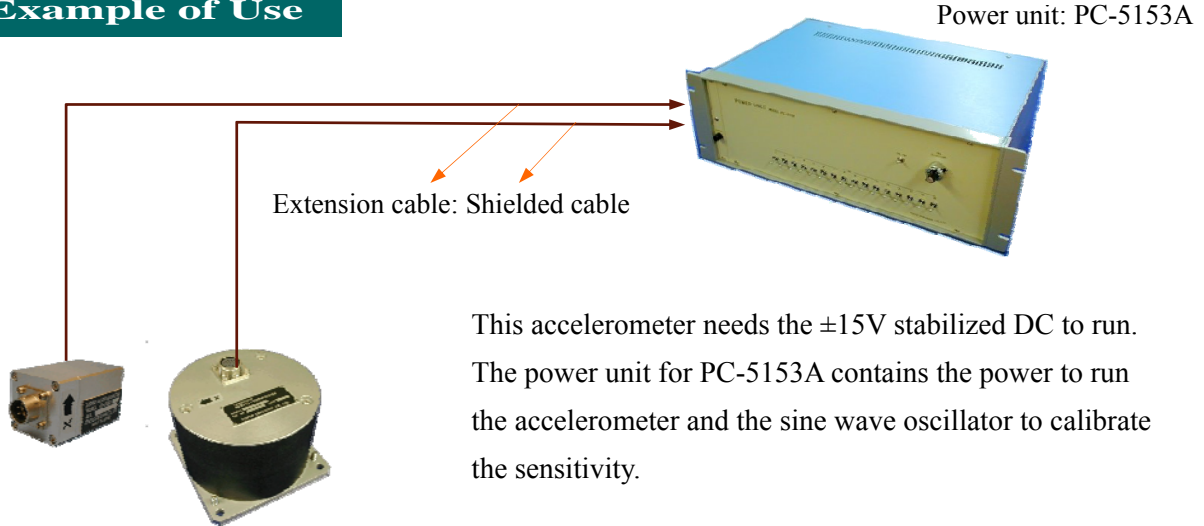
Model	Extension model	Full scale (sensitivity)	Frequency response	Calibration coil	Waterproof	Arrester	Dimension
AS-303D3BH	SDFDDC	±2000Gal (5mV/Gal)	DC to 250Hz	12.5μA/Gal	3Mpa	Built-in	Fig.F
	SDFEDC		DC to 400Hz				

Common Specification

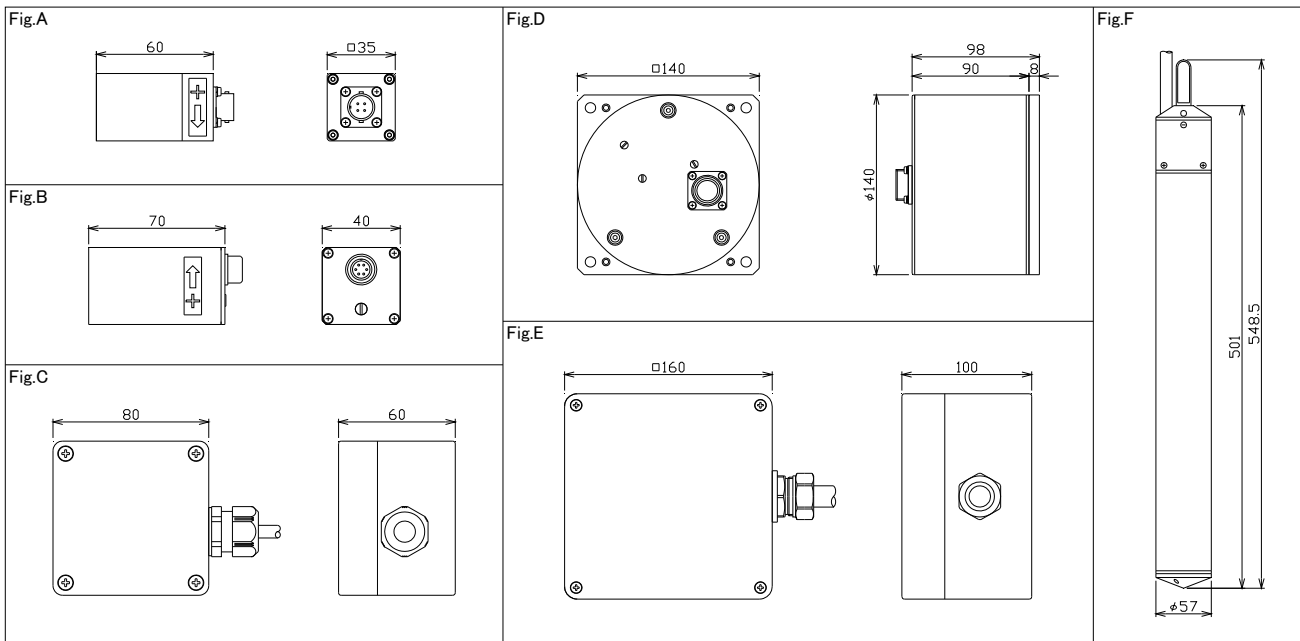
Resolution	0.00005% of F.S	Calibration coil sensitivity	105Ω (±20%)
Dynamic range	140dB (rms)	Power voltage	±15VDC
Linearity	0.03% of F.S	Current consumption	10mA/axis
Cross axis sensitivity	0.03G/G (10Hz)	Temperature range	-10°C to 50°C
Case alignment	±1degree (max.)	Temperature drift	0.1%/°C of F.S

SERVO ACCELEROMETER

Example of Use



Dimension



The specification may change without notification because of the proved product.