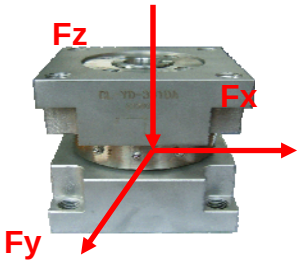
SINOCERA

Global Sensor Technology

3-Component Quartz Force Sensor

Model: CL-YD-3310

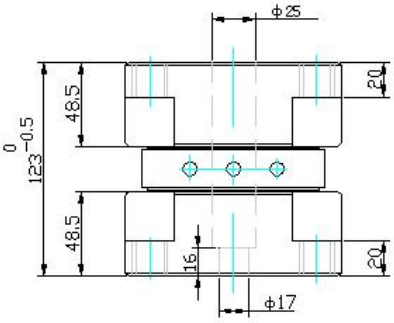


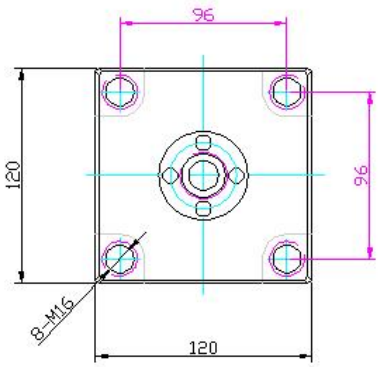
FEATURES

- Quartz force sensor for measuring the three orthogonal components of a dynamic or quasi-static force acting in an arbitrary direction.
- Accurate measurement independent of the force application point.
- Wide frequency range; compact dimensions; stainless, sealed sensor case; rugged multi-pole plug connection.
- Suitable for mechanical impedance measurement, modal analysis, vibration control system.

SUPPLIED WITH

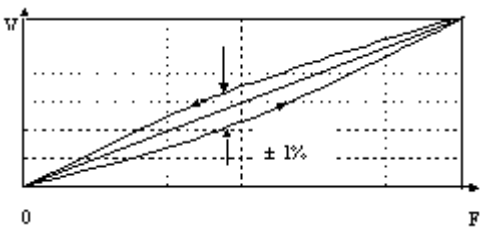
Calibration chart
Protective cap
STYV-1 Lower noise cable (2m)





Technical Specifications:

Sensitivity (20±5 °C)	Fz	3.5pC/N
	Fx , Fy	7.5pC/N
Calibrated range	Fz	±20kN
	Fx , Fy	±4 kN
Overload		120 %
Linearity,		<1%F·S.
Hysteresis,		<1%F·S
Repeatability		<1%F·S
Capacitance		80pF
Insulation Resistance		>1012Ω
Resonance Frequency		>18kHz
Operating Temperature Range		-40 to +80 °C
Weight		1Kg
Case Material		High Strength Stainless Steel
Mounting		8-M6
Sensing Element		Quartz
Output Type		3 -L5 (Side)



Typical static calibration curve (3 times average)