Other related products

Converts electric charge output type sensors into voltage output type sensors (1pc → 1mV)

Charge converter
CC-20



10 m/s² vibration tester which allows you to check accelerometers in the field.

Portable calibrator
CA-30



Available in 4 selectable amplifier modules. Compact and expandable up to 64ch.

Data Recorder
LX-1000



Featuring high-bandwidth, multi-channel and long recording time.

Wide-band data recorder
WX-9000



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Features and specifications are subject to change without notice.
Precaution : To ensure safe handling and operation, read the Instruction Manual before use.

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TEAC

Piezoelectric type accelerometer & Related products digest catalog

https://datarecorder.jp/en/



TEDS	Built-in Pre-amplifier
Tiny & Lightweight	Comes with a 3.3m special cable
3 Axes	Waterproof (730ZW)

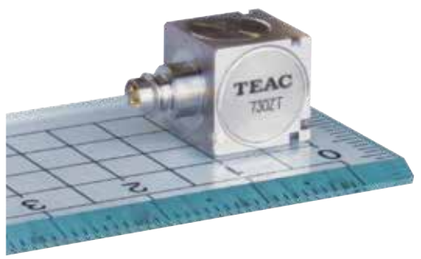
730ZT / 731ZT / 730ZW (Waterproof) is a 3-axis accelerometer with a built-in pre-amplifier which is 10 cubic millimeter in size and 4.4g in weight. Its high frequency response and tiny super-lightweight feature allow to measure acceleration on small objects. It is also appropriate for various tests on engines because of its high operational temperature.

3 models available to best suit your application

TEDS 1.0mV/m/s² **730ZT**

TEDS 10.0mV/m/s² **731ZT**

Waterproof 1.0mV/s² **730ZW**





IEPE (integral electronic piezoelectric) Accelerometer

730ZT/731ZT/730ZW



771



Spec

Model	730ZT / 731ZT	730ZW	771
	Standard type / High sensitivity type	**Waterproof type**	**Ultra-compact and lightweight type**
Sensitivity (mV/m/s²)	1.0/10.0±10%	1.0±10%	1.0±10%
Transverse Sensitivity (max)	< 5%	< 5%	< 5%
Operating Temperature range	−50 ℃ ～ 120/110 ℃	−50 ℃ ～ 120 ℃	−50 ℃ ～ 120 ℃
Frequency response (±3dB)	**730ZT** : 0.5Hz ～ 15kHz (X , Y) 0.5Hz ～ 20kHz (Z) **731ZT** : 0.5Hz ～ 10Hz (X , Y) 0.5Hz ～ 18kHz (Z)	0.5Hz ～ 15kHz (X , Y) 0.5Hz ～ 20kHz (Z)	1Hz ～13kHz
Resonance Frequency	> 55kHz (Z)		> 50kHz
Measurement Range (m/s²)	±5000 / ±450	±5,000	±5,000
Max. operational shock (m/s²)	< 30,000		< 30,000
Cables	**730ZT** : Proprietary cable CL-730B (3.3m, 4P-BNC) **731ZT** : Proprietary cable CL-730B (3.3m, 4P-BNC) **730ZW** : 3.3m (installed-BNC×3)		Proprietary cable CL-771 (3.3m)
Material	Titanium		Aluminum
Dimension	10 mm x 10 mm x 10 mm (Connector excluded)		Φ6.4 × H3.6 mm
Weight	Approx. 4.4 g		Approx. 0.6 g
Waterproof rank	—	IPX7	—

Optional accessories

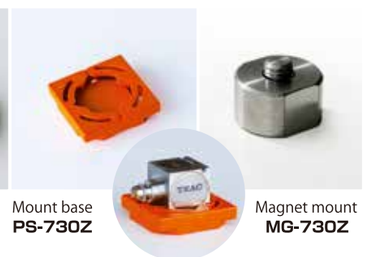
Cable	For 730ZT / 731ZT (3.3m, 4P-Miniature)	CL-730M
	For 730ZT / 731ZT (3.3m, 4P-BNC)	CL-730B
Mount base	For 730ZT / 731ZT 5 pcs included	PS-730Z
Magnet mount	For 730ZT / 731ZT	MG-730Z



Cable (3.3m, 4P-Miniature) **CL-730M**



Cable (3.3m, 4P-BNC) **CL-730B**

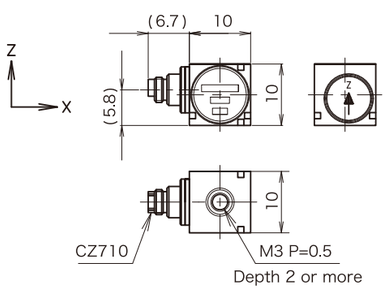


Mount base **PS-730Z**

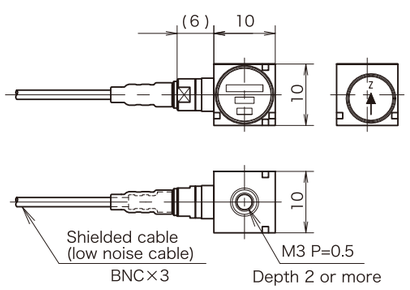
Magnet mount **MG-730Z**

Dimensions

730ZT/731ZT Common



730ZW



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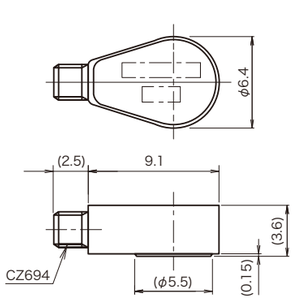


Electric charge type
Tiny accelerometer series

611・611W

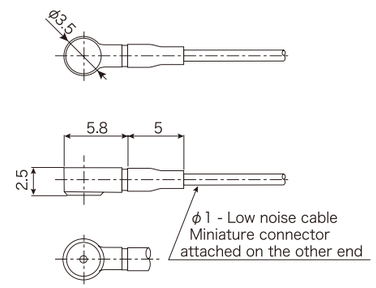




Model	611	611W
Feature	Super small	Super small Waterproof
Max. Acceleration (m/s²)	±100,000 (±10,197g)	±10,000 (±1,020g)
Sensitivity (pC/m/s²)	0.035 (0.34 pC/g)	0.0459 (0.45 pC/g)
Frequency response (Hz) ±3dB	fc～20,000	fc～20,000
Compensated temperature range (℃)	−50～160	−50～160
Cable	3m (installed)	3m (installed)
Weight (g)	approx. 0.2	approx. 0.2
Waterproof rank	—	IPX8

※611W : BUILD TO ORDER

611



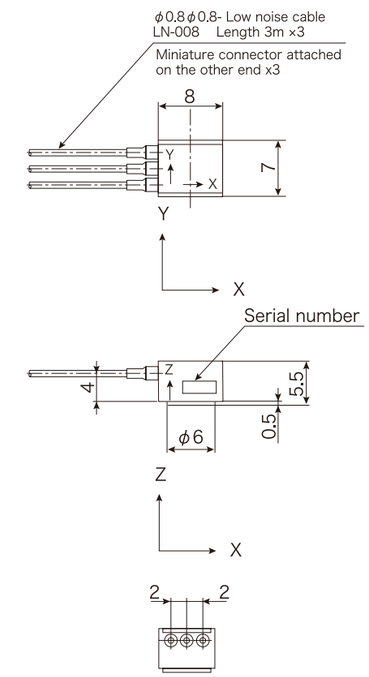
611ZS・611ZSW



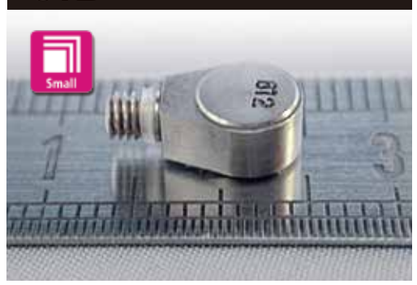
Model	611ZS	611ZSW
Feature	Super small	Super small Waterproof
Max. Acceleration (m/s²)	±25,000 (±2,550g)	±25,000 (±2,550g)
Sensitivity (pC/m/s²)	0.04 (0.39 pC/g)	0.04 (0.39 pC/g)
Frequency response (Hz) ±3dB	fc～20,000	fc～20,000
Compensated temperature range (℃)	−50～160	−50～160
Cable	3m (installed)	3m (installed)
Weight (g)	approx. 1.2	approx. 1.3
Waterproof rank	—	IPX8

※611ZSW : BUILD TO ORDER

611ZS



612



Model	612
Feature	Small
Max. Acceleration (m/s²)	±10,000 (±1,020g)
Sensitivity (pC/m/s²)	0.17 (1.68 pC/g)
Frequency response(Hz) ±3dB	fc～18,000
Compensated temperature range	−50～160 (℃)
Weight (g)	0.8

612

