

## Load cell for Two-wheeler Handbrakes PK1-500N Load cell for Vehicle Foot Pedals PK2-1500N

- Measuring forces acting on foot pedals or handbrakes.
- Easy attaching and measuring force on pedals or on handbrake levers.

	PK1-500N(for Two-wheelers)	PK2-1500N(for Vehicles)
Photo	 <div style="text-align: right; margin-top: 5px;"> <span style="border: 1px solid black; border-radius: 5px; padding: 2px 5px;">IP65 Approved</span> </div>	 <div style="text-align: right; margin-top: 5px;"> <span style="border: 1px solid black; border-radius: 5px; padding: 2px 5px;">IP65 Approved</span> </div>
Using Image	 <p style="text-align: center; margin-top: 10px;">Measurement is possible by attaching the load cell on a hand brake and gripping them together.</p>	 <p style="text-align: center; margin-top: 10px;">Measurement is possible by hooking the load cell on a pedal and stepping them on together.</p>

### [Load cell specification]

Model	PK1-500N	PK2-1500N
Application	For two-wheeler hand brakes	For vehicle foot pedals
Capacity	500N	1500N
Cable length	Approx.1.5m	Approx. 1.5m
Size	Approx.102×35×40(mm)	Approx. 50×70×27(mm)
International Protection	IP65*	IP65*

\* IP65 is only approved for the load cell itself. The amplifier (the indicator) and the connector parts are not approved.

[eZ-Connect series load cell specification]

Model	ePK2-1500N
Application	For vehicle foot pedals
Capacity	1500N
Accuracy	+/-1.0%F.S. or less
Cable	Approx.1.5m
Dimensions	Approx.50×70×27(mm)
International Protection	IP65(*1)

\*1 IP is only approved for the load cell. An amplifier (an indicator)/ the connecting part/ the connector part are not approved.

\*2 Please note there is NO eZ-Connect series of PK1-500N.

\*3 Please refer Page 3 for eZ-Connect series detail.

**Force value display/ Data management/ Operating external device  
are ALL possible by combining with IMADA amplifier.**

→There are 3 selectable amplifiers.

Amplifier	Feature
ZT series	High accuracy and Easy operation
FA-Plus	Stable installation
eZ-Connect series :eZT	Interchangeable multiple sensors

Sensor separate type force gauge ZT series



- [Remote operation](#)  
→Measurement value is possible to check easily apart from the sensor. Users can keep safe distance even if the test involves some danger like Crushing test.
  - [Easy data management on PC](#)  
→Included software “ZT-Logger” helps to export continuous data to PC. Furthermore, separately-sold software “Force Recorder” enables to draw into a graph in real time at 2000Hz. It also inputs sampling date and time at the same. Data management can be easy.
  - [Various outputs for operating external devices](#)  
→It realizes machine working control by force, Pass/Fail decision and more.
- \*It is inappropriate to interchange the load cells.  
\*The accuracy adjustment and the calibration are necessary whenever changing load cells.

Accuracy Guarantee  
-The inspection certificate by force data is attached.  
-Please request us the calibration certificate if necessary.

[The range list connecting with ZT series]

Model		Capacity	Accuracy(*1)	Display	Resolution
ZTA- PK1-500N	ZTS- PK1-500N	500N	+/-1.0%F.S. or less	500.0N	0.1N
ZTA- PK2-1500N	ZTS- PK2-1500N	1500N	+/-1.0%F.S. or less	1500N(1.500kN)	1N(0.001kN)

\* Please refer to the each amplifier specification for the detail.

\*1The accuracy is only available for combinations with sensor separate type ZT series.

**Desktop amplifier FA Plus**



- [The box shape realizes easy installations on a desk or in equipment](#)
- [The sampling rate is equals to ZT series 2000Hz.](#)

**Accuracy Guarantee**

- The inspection certificate is attached only when the below set models are ordered.
- The inspection certificate is NOT attached when FA Plus and the load cell are separately ordered.
- Please request us the calibration certificate if necessary.

[The range list connecting with FA Plus]

Model	Capacity	Accuracy(*1)	Display	Resolution
FAP- PK1-500N	500N	+/-1.0%F.S. or less	500.0N	0.1N
FAP- PK2-1500N	1500N	+/-1.0%F.S. or less	1500N(1.500kN)	1N(0.001kN)

\* Please refer to the each amplifier specification for the detail.

\*1The accuracy is only available for combinations with FA Plus.

**eZ-Connect: Interchangeable sensor amplifier eZT**



- [ONE amplifier can be used with multiple load cells.](#)  
→It is possible to be carried out different range, circumstance and other measurements by changing load cells.
- [Basic functions are equal to ZTA.](#)

**Accuracy Guarantee**

- The inspection certificate by force data is NOT attached.
- Please request us the calibration or the calibration document if necessary.

[The range list connecting with eZT]

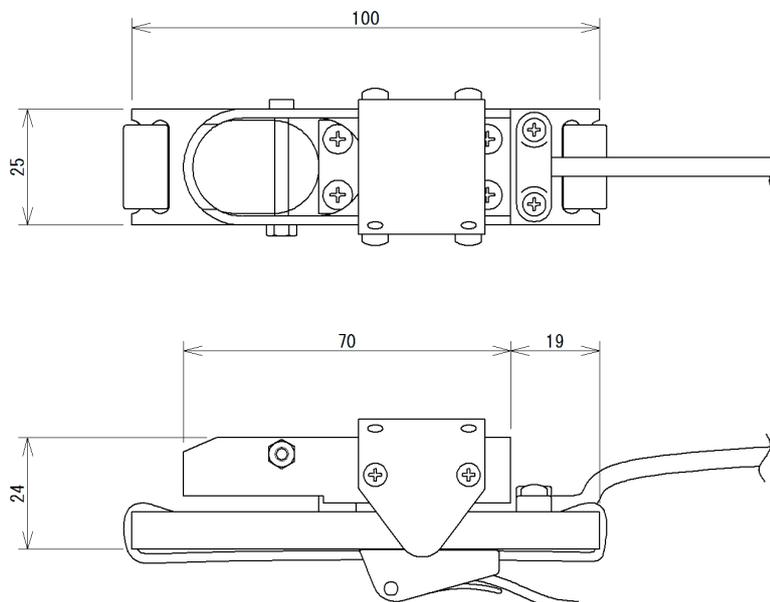
Amplifier Model	Load cell model	Capacity	Accuracy(*1)	Display	Resolution
eZT	ePK2-1500N	1500N	+/-1.2%F.S. or less	1500N(1.500kN)	1N(0.001kN)

\*Please refer to the each amplifier specification for the detail.

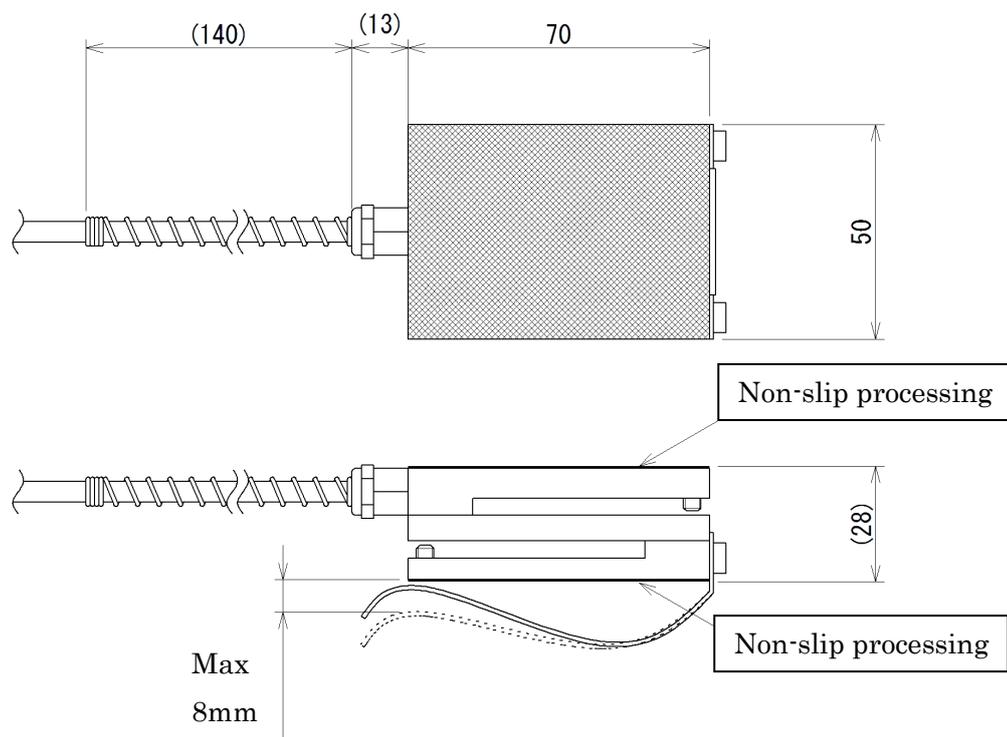
\*1The accuracy is only available for combinations with eZT series.

**[Dimensions]**

**PK1-500N**



PK2-1500N



**[Caution]**

- This product is designed for force measurement only. Do not use it for other purpose.
- Please pay close attention to install this products.
  - Never apply strong force or impact especially on the sensing direction.
  - Do not apply bending or torsion stress when setting up the sensing shaft to a measuring object.
- Do not use in the condition of rapid temperature changes, high temperature, high humidity, near water and dusty place.
- The contents may be changed without notice in advance.
- Please note the allowable values are a little different by the selecting unit of the amplifier. Please contact us if you need the details.

Please feel free to contact us (+81-(0)-532-33-3288) for your measurement.