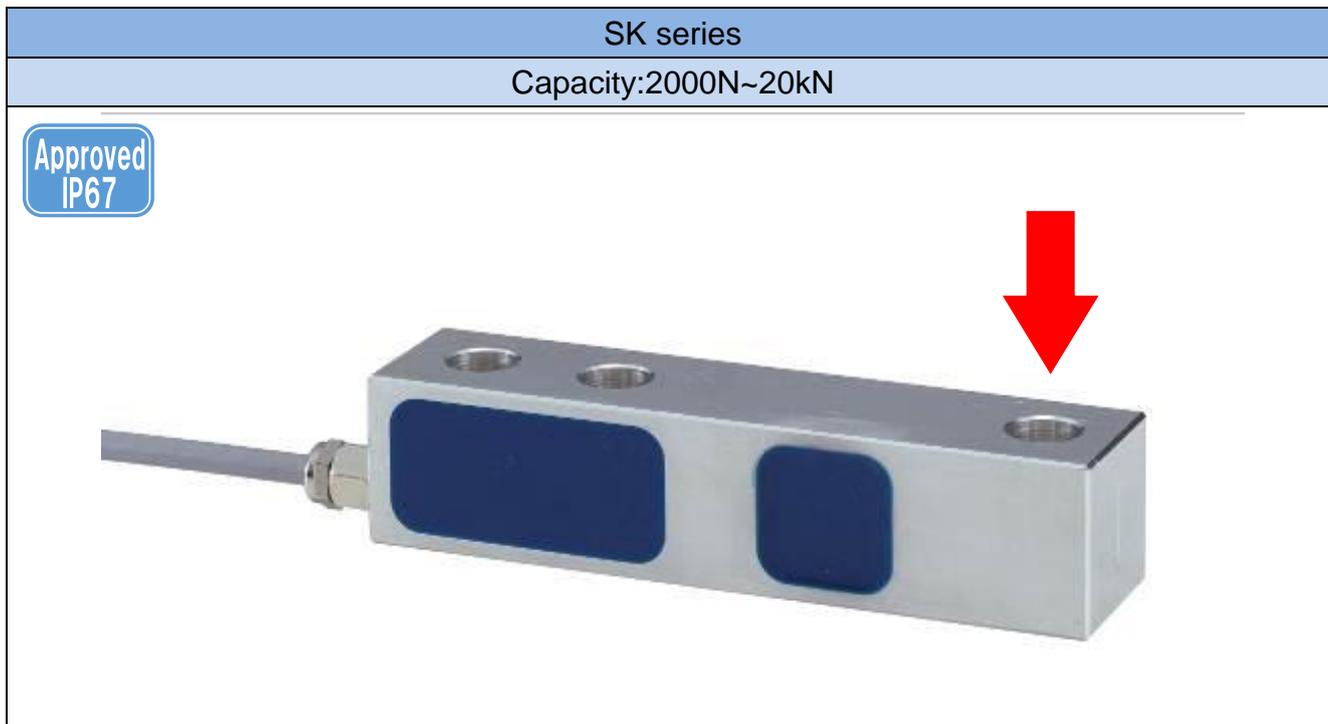


## Load cell for compression or tension SK series

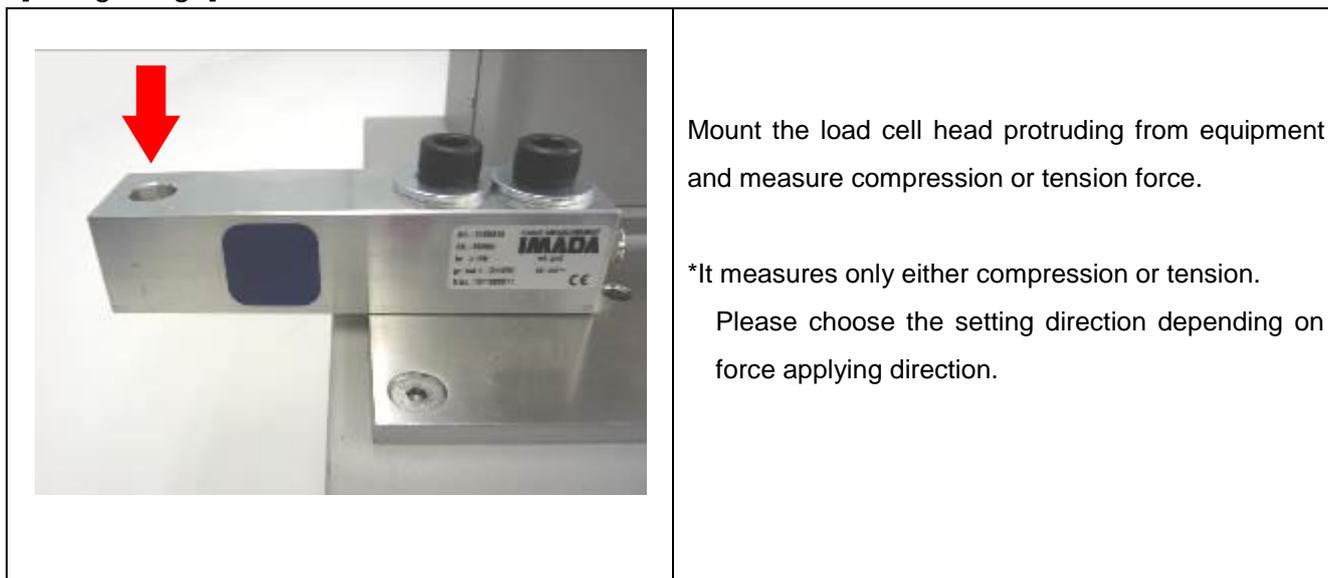
- Robust body with a cuboid shape which helps easy built-in.
- Accurate and detailed analysis is possible.
- Either compression or tension by setting direction.



\*Set the sensor direction due to compression or tension.

\*An indicator is required to read value. Please refer to Page 3 and 4 for the detail.

[Using image]



[Load cell specification]

Model	SK series
Capacity	Refer to the model list
Rated output	+/-2mV/V
Nonlinearity	+/-0.25% R.O
Allowable voltage	10V DC
Safe overload rating	120%
Working environment (allowable temperature)	-10~50 degree Celsius (-30~50 degree Celsius)
Temperature influence at 0 point	0.005%/ degree Celsius
Temperature influence for output	0.005%/ degree Celsius
Cable	Approx.5m
Dimension	Refer to the dimension
International Protection	IP67*

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

[eZ-Connect series load cell specification]

Model	eSK series
Capacity	Please refer the model list
Accuracy	+/-0.25%F.S. or less
Safe overload rating	120%
Working environment (allowable temperature)	-10~50degree Celsius(-30~50degree Celsius)
Cable	Approx.5m
Dimensions	Please refer the dimension
International Protections	IP67(*1)

\*2 Please refer Page 4 for the detail of eZ-Connect series.

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

[Model list]

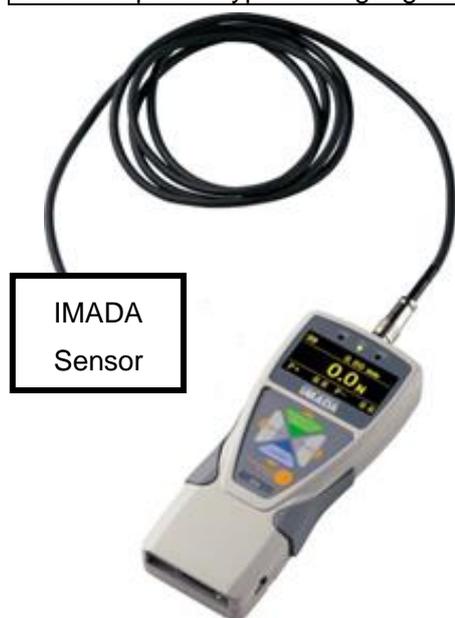
Model	eZ-Connect series model	Capacity
SK-2000N	eSK-2000N	2000N
SK-5000N	eSK-5000N	5000N
SK-10kN	eSK-10kN	10kN
SK-20kN	eSK-20kN	20kN

**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-SK-2000N	ZTS-SK-2000N	2000N	+/-0.25%F.S. or less	2000N(2.000kN)	1N(0.001kN)
ZTA-SK-5000N	ZTS-SK-5000N	5000N	+/-0.25%F.S. or less	5000N(5.000kN)	1N(0.001kN)
ZTA-SK-10kN	ZTS-SK-10kN	10kN	+/-0.25%F.S. or less	10.00kN	0.01kN
ZTA-SK-20kN	ZTS-SK-20kN	20kN	+/-0.25%F.S. or less	20.00kN	0.01kN

\* 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-SK-2000N	2000N	+/-0.25%F.S. or less	2000N(2.000kN)	1N(0.001kN)
FAP-SK-5000N	5000N	+/-0.25%F.S. or less	5000N(5.000kN)	1N(0.001kN)
FAP-SK-10kN	10kN	+/-0.25%F.S. or less	10.00kN	0.01kN
FAP-SK-20kN	20kN	+/-0.25%F.S. or less	20.00kN	0.01kN

\* 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	eSK-2000N	2000N	+/-0.45%F.S. or less	2000N(2.000kN)	1N(0.001kN)
	eSK-5000N	5000N	+/-0.45%F.S. or less	5000N(5.000kN)	1N(0.001kN)
	eSK-10kN	10kN	+/-0.45%F.S. or less	10.00kN	0.01kN
	eSK-20kN	20kN	+/-0.45%F.S. or less	20.00kN	0.02kN

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

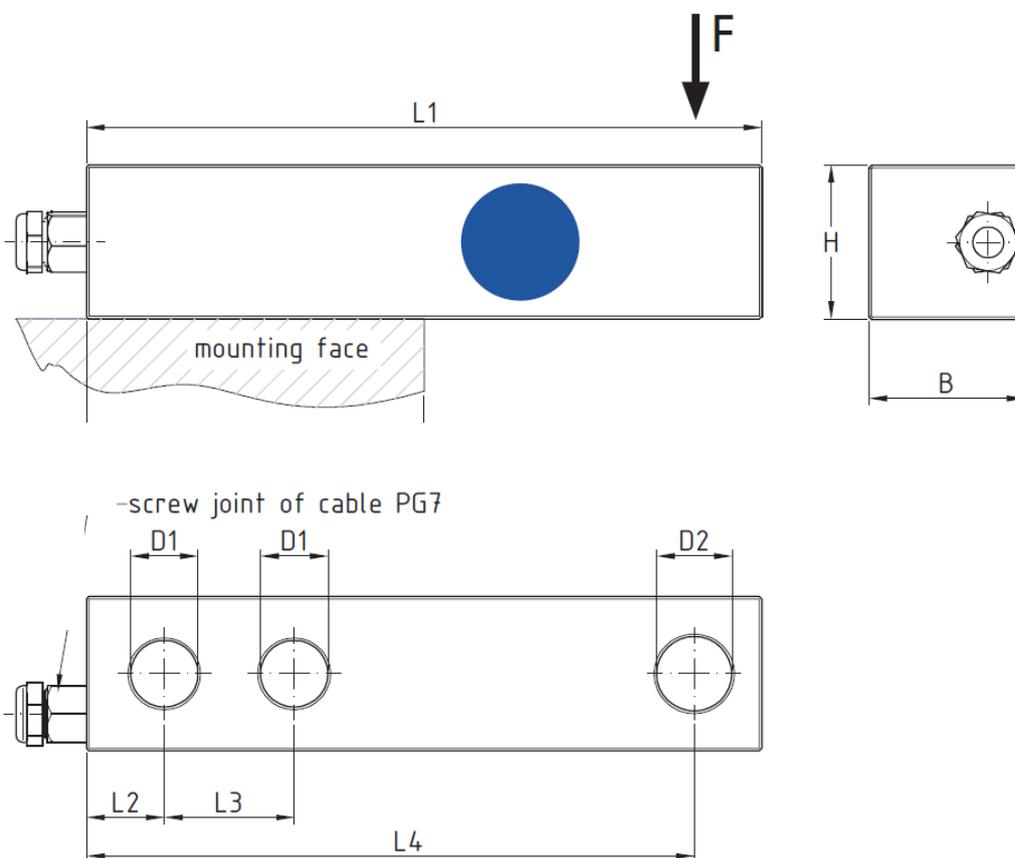
\*1The accuracy is only available for combinations with eZT series.

[Other load cell line-up]  
Variety of load cell is available.

Standard type DPU series	High capacity type SW3 series	Crane scale type ZW1-10kN	For door closing and opening force SKM-1000N	For car foot brake PK2-1500N
High accuracy built-in type load cell for general use.	High capacity waterproof type.	High capacity load cell with a hook.	Load cell for measuring opening and closing force of doors and windows.	Load cell for car foot brakes.

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

[Dimension]



Model	H	B	L1	L2	L3	L4	L5	D1	D2
SK-2000N	30	30	130	15	25	117	65	φ12.6	φ12.6
SK-5000N									φ14.5
SK-10kN									
SK-20kN									

**[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.](tel:+81-0-532-33-3288)