

Pen type load cell PN-50N

Pen shaped load cell for compression and tension.
It is possible to compress small parts, holding by hands.
Ideal for measurement for small parts or switches.

Pen type load cell : PN-50N

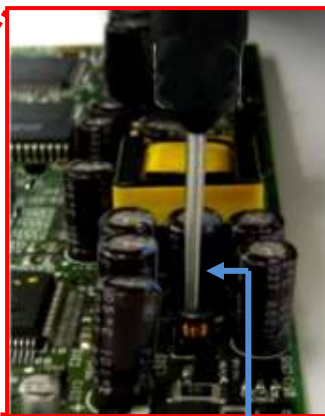
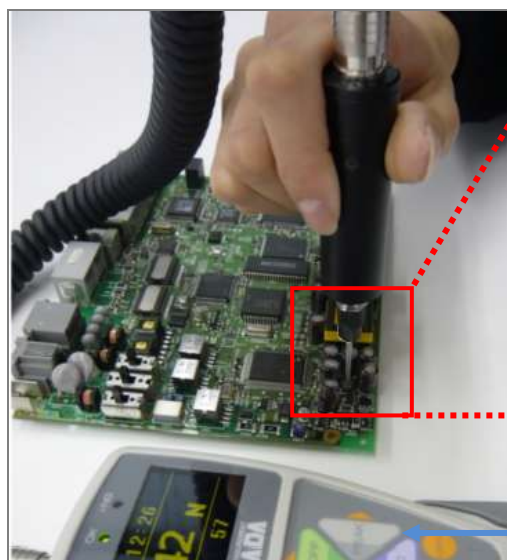
Capacity :50N



*An indicator is required for reading load values. Please refer to Page 3 for the detail.

[Using images]

Compression test for small parts.



PG series (*)

The indicator ZT series

Applying loads by
hands, it can measure
at small parts.

*An indicator and PG series are sold separately. Please refer to Page 2 and 3.

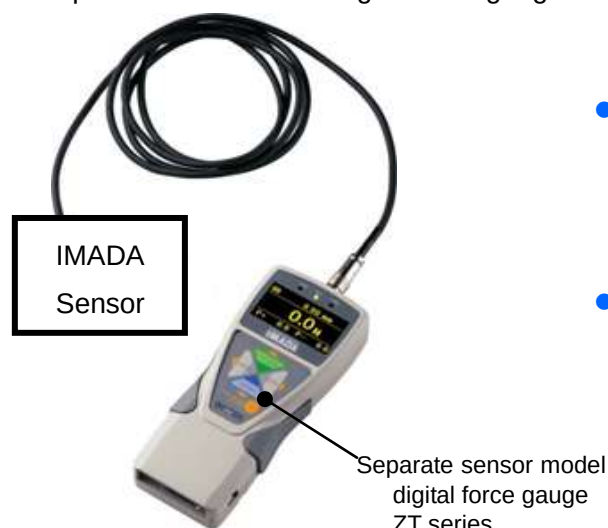
[Specification]

Model	PN-50N
Capacity	50N
Rated output	1mV / V±10%
Nonlinearity	0.3%R.O.
Hysteresis	0.3%R.O.
Recommended voltage (Allowable applied voltage)	5V DC or AC(8V DC or AC)
Allowable over load	150%R.L.
Compensation temperature (Allowable temperature)	0~+50 degree Celsius (-10 degree Celsius ~+60 degree Celsius)
Temperature influence for 0 point	0.05%/ degree Celsius
Temperature influence for output	0.05%/ degree Celsius
Weight	Approx. 50g
Cable	Approx. 2m
Mount screw	M6 P1.0
Dimensions	Refer to a dimension on page 3

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

Recommended Indicator : ZT Series

Separate sensor model digital force gauge



Combining with ZT series helps your needs such as...

- [Comfortable reading for measurement value](#)
→Measurement value is possible to check comfortably 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 series of 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 output functions for operating external devices](#)
→These functions expand the possibility of usage with external devices.

•Desktop force amplifier FA Plus



Desktop model is also available.

[The range list connecting with ZT series]

Model		Range	Accuracy(*1)	Display	Resolution
ZTA-PN-50N	ZTS-PN-50N	50N	±2%F.S. or less	50.00N	0.1N

*Please refer to the specifications for the details of ZT series, software Force Recorder, FA Plus.

*1 The accuracy is only available for combining our indicator.

[Related products]

Pin gauge				
	feature			
	The columnar fixture which diameter is $\phi 2\text{mm}\sim 5\text{mm}$. It can be insert tiny spaces.			
	Model	The head diameter	The head length	Mount screw
	PG-2	$\phi 2\text{mm}$	20mm	M6
	PG-3	$\phi 3\text{mm}$		
	PG-4	$\phi 4\text{mm}$		
	PG-5	$\phi 5\text{mm}$		

[Other load cell line-up]

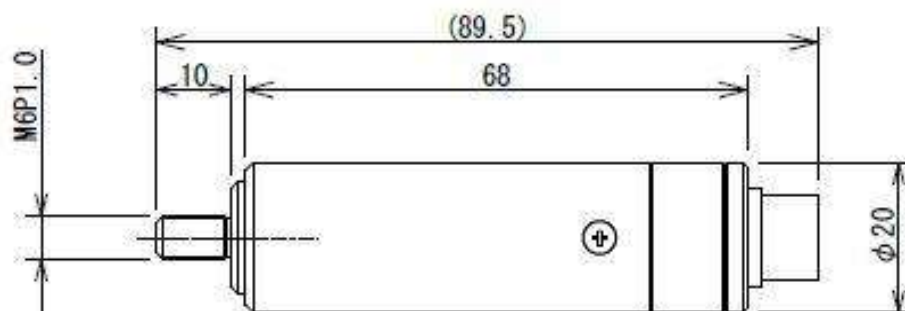
Variety of load cells are available for your needs.

Standard DPU series	Coin shaped type LM series	High accuracy coin shaped type LC series	Extra small type LMU series	For automatic doors DM-2000N
				
High accuracy built-in type. For general use.	Coin size load cell for compression	High accuracy coin shaped load cell for compression	Sensor diameter is only 18mm	Ideal to measure automatic door closing force.

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

[Dimension]

PN-50N



[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 feel free to contact us \(+81-\(0\)-532-33-3288\) for your measurement.](tel:+81-0-532-33-3288)