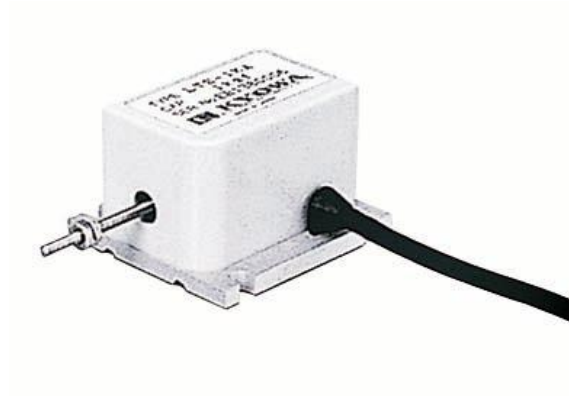


Load cells for FA Plus (Desktop force amplifier)

LTS series

Tensile load cells



LTS

[Application]

- The load cells are used to measure force for FA Plus.

[Feature]

- They are small and light tensile load cells capable of high accuracy measuring and easy to set up and handle.

Tensile load cell

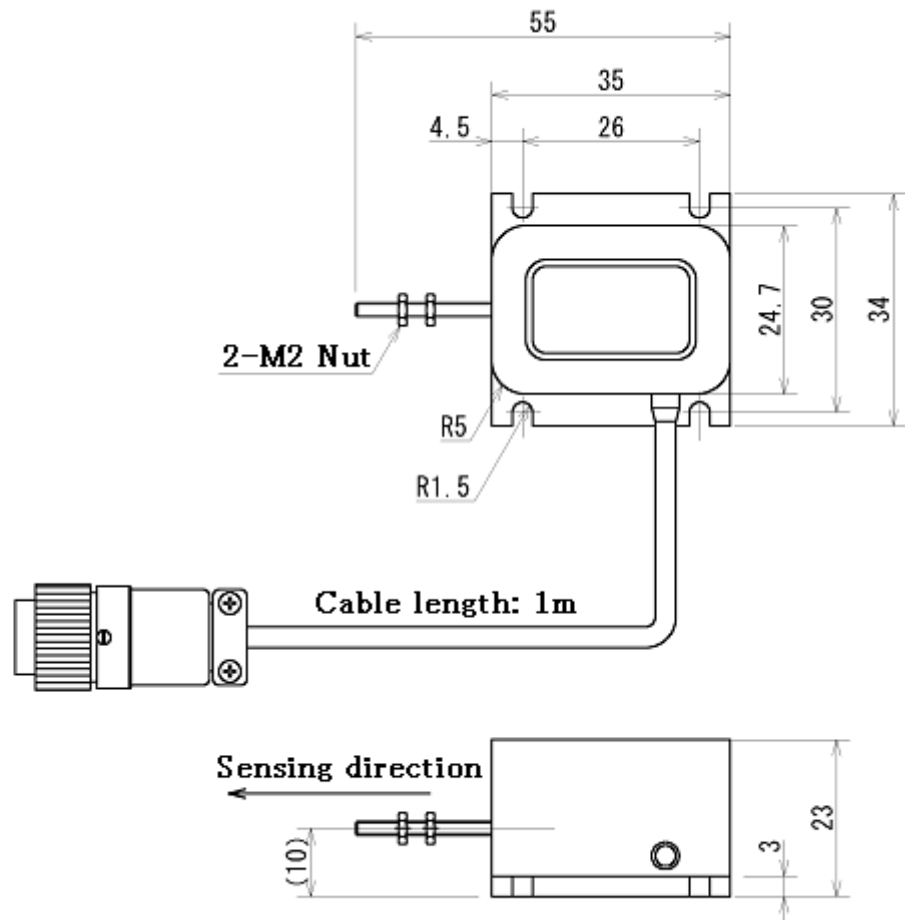
Model	LTS-0.5N
Feature	For minute force
Capacity	0.5N (50gf)
Rated output	Over 1.5mV / V
Nonlinearity	Within +/- 0.5%RO
Hysteresis	Within +/- 0.5%RO
Recommended voltage (Permissible applied voltage)	1 to 2V AC or DC (6V AC or DC)
Input/output resistance	120 ohm +/- 10%
Permissible over load	120%
Operating temperature	0 to 60 degree Celsius
Sensing shaft diameter	M2
Weight	Approx. 50g
Cable	1m (with connector)
Dimension	W 55×D 34×H 23

[Model]

Model	Capacity (Reference values)	Permissible overload	Sensing shaft diameter	Weight
LTS-0.5N	0.5N (50gf)	120%	M2 P0.4	Approx.50g

- * Please order Imada's desktop force amplifier FA Pluss (refer to the catalog) together with the load cell so that their combined calibration can be done when they are shipped.
- * Imada sells the load cells (with/ without connector) separately. Please contact to Imada for your inquiry.

[Dimensional drawing]
LTS-0.5N



[Precaution]

- Please pay close attention for the installation of the load cells.
 - 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.
- All information is subject to change without prior notice.