

STU-1K: Tension Load Cells for the Suspended Loads Weighing



Standard Features

- C3 precision class
- Stainless steel construction
- IP68 protection level
- Max. capacities from 2000 to 10000 kg
- 3m shielded connection cable

CAPACITIES (kg): 2000, 5000, 8000, 10000.

OIML R60. C3 precision class.

Stainless steel. **IP68** protection.

Tension/Compression load cells, suitable for weighing in tension suspended loads and as overload checking and limitation, or for compression use in the creation of weighing systems with various load cells.

Specifications

nLC:
3000

Y:
12000(compression, $Y=E_{max}/V_{min}$)

Y:
9500(tension, $Y=E_{max}/V_{min}$)

Cn:
2,4 mV/V

Input:
1000 +/- 20 Ohm

Output:
1000 +/- 5 Ohm

Excitation:
1...10Vdc

Safe Overload:
120%

Shielded cable:
6-wire shielded cable, 3 m long,
5mm diameter

Main Certifications

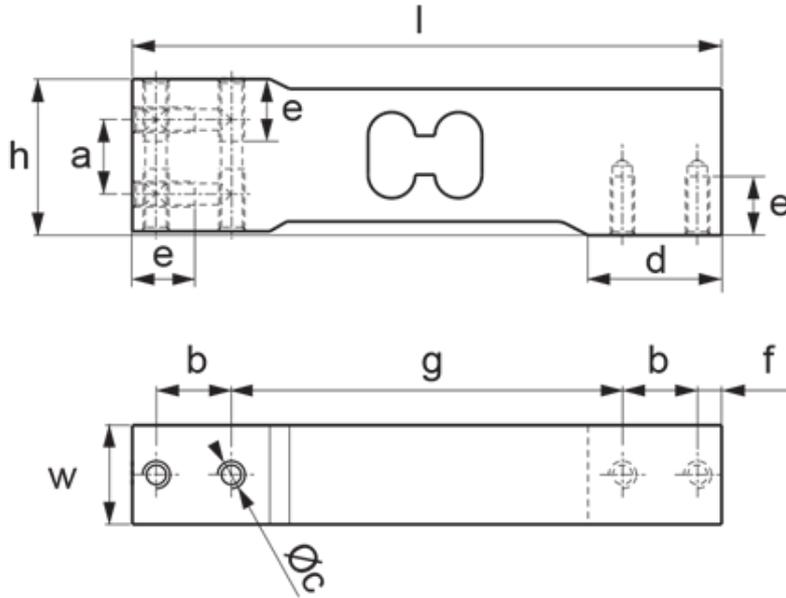
OIML R60

Australian legal for trade certificate
of approval (NMI S840)

Wiring Code

Wiring Code	
<i>Colour</i>	<i>Function</i>
METAL	SHIELD
YELLOW	OUTPUT +
GREY	SENSE +
BROWN	INPUT +
WHITE	OUTPUT -
PINK	SENSE -
GREEN	INPUT -

Dimensions



Code	Max (kg)	l (mm)	w (mm)	h (mm)	a (mm)	b (mm)
<u>STU2000-1KD</u>	2.000	80	45	80	20,5	N°2 x M16
<u>STU5000-1KD</u>	5.000	80	45	80	20,5	N°2 x M24
<u>STU8000-1KD</u>	8.000	80	45	80	20,5	N°2 x M24
<u>STU10000-1KD</u>	10.000	80	52	80	20,5	N°2 x M24

Parts

Part # **Description**

Available Versions

STU2000-1KD Tension approved load cell stainless steel, IP68 protection degree, 2000 kg capacity, C3 precision class, 1000 Ohm output resistance.

STU5000-1KD Tension approved load cell stainless steel, IP68 protection degree, 5000 kg capacity, C3 precision class, 1000 Ohm output resistance.

STU8000-1KD Tension approved load cell stainless steel, IP68 protection degree, 8000 kg capacity, C3 precision class, 1000 Ohm output resistance.

STU10000-1KD Tension approved load cell stainless steel, IP68 protection degree, 10000 kg capacity, C3 precision class, 1000 Ohm output resistance.

Options

Part # Description

Connection Cables

LCCBM Shielded 4x0,34 mm² cable for moving applications. €/m. Maximum orderable length: 100 m (longer lengths available only upon request).

LCCB Shielded cable 6x0.25 mm² (suitable for Ex zones). PVC inner sheath. Tinned copper braid shielding. PVC outer sheath, diameter 5.8 mm. Temperature range: -40 / +80 °C. Minimum bending radius $\geq 6 \times \text{O.D.}$ €/m. Maximum orderable length: 100 m (longer lengths available only upon request).

LCCBA Armoured cable 6x0.25 mm² (suitable for Ex zones). PVC inner sheath, diameter 5mm. Iron-zinc alloy armour. Transparent PVC outer sheath, 8 mm diameter. Temperature range: -15 / +70 °C. Minimum bending radius $\geq 5 \times \text{O.D.}$ €/m. Maximum orderable length: 100 m (longer lengths available only upon request).

Ball Joints and Clevis

RBJM16 M16 articulated rod-end ball joint. Maximum lifting capacity of 2000kg. For STFC2000 and STU2000-1K.

CLVM16 M16 clevis fitted with pin, for combination with RBJM16. For STFC2000 and STU2000-1k.

Junction Boxes

JB4Q Equalisation box for connection with up to 4 load cells. ABS box, IP67 protection rating, with 4 + 1 fairleads.

JC4Q Equalisation board for up to 4 cells. With UL marked PCB, Terminal block, plastic box and labels (if expected).

Dini Argeo S.r.l. | Via della Fisica, 20 - 41042, Spezzano di Fiorano, Modena (MO), Italy | Tel.: +39 0536 843418

www.diniargeo.com
