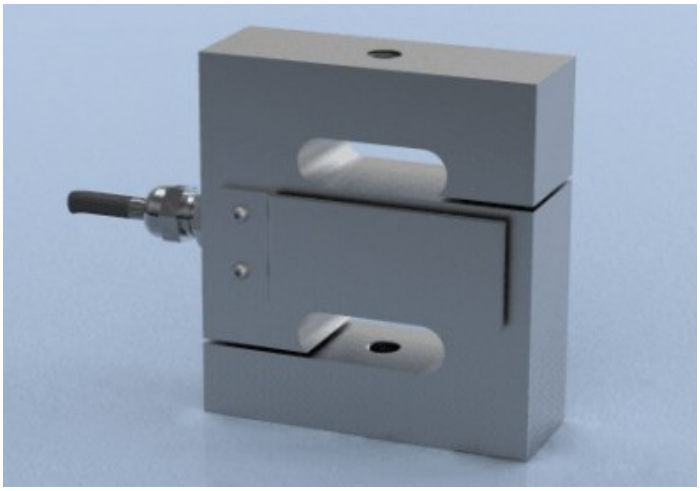
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Celula de tensionare si compresie din aliaj de aluminiu STA-3



Celula de tensionare si compresie din aliaj de aluminiu STA-3 Producator: LCM Systems STA-3 Alloy Steel S-Type Tension and Compression Load Cell

Descriere

- Capacităţi între 50 şi 1000kg
- Construcţie nichelată din aliaj de oţel
- Etanşată la condiţiile de mediu conform IP67
- Poate fi furnizată împreună cu lagărele cu locaş sferic la capetele tijei

Seria de celule de sarcină STA-3 este ideală atât pentru măsurarea forţelor de întindere, cât şi a celor de compresie. Filetele metrice standard la fiecare capăt al celulei de sarcină sunt concepute pentru a accepta lagărele standard cu locaş sferic la capetele tijei.

Seria STA-3 este potrivită pentru numeroase aplicaţii, inclusiv pentru mediile aspre, unde este necesară o celulă de tensiune şi compresie pentru măsurători exacte. Aplicaţiile precum cântărirea vaselor, a utilajelor de testare a materialelor şi dinamometrelor reprezintă câteva exemple. De asemenea, gama de produse este ideală pentru numeroase proiecte de măsurare a sarcinii pentru fabricanţii de echipamente originale, oferind o soluţie extrem de eficientă din punct de vedere al costului pentru o gamă variată de aplicaţii industriale.

Seria STA-3 poate fi furnizată individual sau în combinaţie cu gama noastră extinsă de instrumente de măsură şi control, pentru urnizarea unui sistem complet de monitorizare a sarcinii.

STA-3 Alloy Steel S-Type Tension and Compression Load Cell

Features :

- Ranges 50, 100, 200, 300, 500, 1000kg
- Alloy steel nickel plated construction
- Environmentally sealed to IP67
- Can be supplied complete with mating spherical rod-end bearings

The STA-3 series load cell is ideal for measuring both tensile and compressive forces. The standard metric threads at each end of the load cell are designed to accept standard spherical seating rod-end bearing.

The STA-3 is suitable for many applications where a tension and compression load cell is required, in harsh environments. Applications such as vessel weighing, material test machines and dynamometers area few examples.

This range of products is ideally suited for many other OEM applications, offering a highly cost effective solution for a wide variety of applications.

The STA-3 series can be supplied on it's own or combined with our extensive range of instrumentation to provide a complete load monitoring system.

Specification :

Rated Load (kg)	50, 100, 200, 300, 500, 1000
Proof Load	150% of Rated Load
Ultimate Breaking Load	> 300% of Rated Load
Output	2 mV/V at Rated Load (±0.1%)
Accuracy	< ±0.02% of Rated Load
Non-Repeatability	< ±0.01% of Rated Load
Excitation Voltage	10vdc recommended, 15vdc maximum
Bridge Resistance	350Ω
Insulation Resistance	> 500MΩ @ 100vdc
Operating Temperature Range	-30 to +70°C
Compensated Temperature Range	-10 to +40°C
Zero Temperature Coefficient	< ±0.004% of Rated Load/°C
Span Temperature Coefficient	< ±0.002% of Rated Load/°C
Environmental Protection Level	IP67
Connection Type	PVC screened cable 3m long, via cable gland
Options Available	Can be supplied with instrumentation Spherical Seating Rod-End Bearings Compression Load Button

Caracteristici tehnice

Caracteristică	Detalii
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