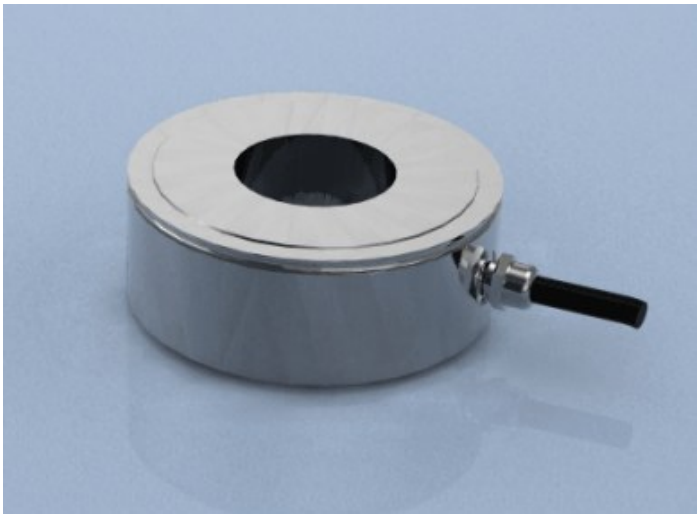
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Celula de compresie WAS



Celula de compresie WAS Producator: LCM Systems WAS Force Washer Through Hole Load Cell

Descriere

- Capacităţi: 12,5 la 540kN
- Construcţie din oţel inoxidabil (17-4PH)
- Etanşat la condiţiile de mediu conform IP66
- Dimensiuni şi game speciale

Seria de celule de sarcină WAS produsă de LCM Systems a fost special concepută pentru aplicaţiile care necesită trecerea componentei de forţă a aplicaţiei prin centrul celulei de sarcină. Stilul produsului este adesea denumit în moduri diferite, inclusiv de celule de sarcină inelare, şaibe de forţă, celule de sarcină în formă de gogoaşă cu gaură şi celule de sarcină cu gaură de trecere.

Aplicaţia principală a seriei WAS este măsurarea tensiunii bolurilor pentru monitorizarea şi controlul siguranţei sau pentru controlul general al calităţii. LCM Systems este specializată în proiectarea celulelor de sarcină personalizate, astfel că s-a implicat intens în proiectarea produselor similare pentru măsurarea forţei ancorelor pentru piatră, cântărirea elevatoarelor cu furcă şi monitorizarea tensiunii barei de direcţie.

Dacă aveţi o cerinţă de celulă de sarcină cu gaură de trecere care nu este satisfăcută de seria standard WAS, atunci vă rugăm să contactaţi departamentul tehnic pentru a detalia cerinţa şi probabil că vă vom putea rezolva problema de aplicaţie.

Seria WAS poate fi furnizată individual sau poate fi încorporată într-un pachet de într-un pachet de instrumente de măsură şi control, conceput pentru a îndeplini cerinţele dumneavoastră specifice de aplicare

WAS Force Washer Through Hole Load Cell

Features :

- Ranges 12.5kN to 540kN
- Stainless Steel Construction (17-4PH)
- Environmentally sealed to IP66
- Special Sizes and ranges available
- Higher Accuracy versions available
- Many other variants may be available (please contact technical support with any requirements you may have)

The WAS range of load cells from LCM Systems have been specifically designed for applications where there is a requirement for the force application component to pass through the centre of the load cell. This style of product is often referred to by different names, including annular load cells, force washers, donut load cells, through hole load cells etc.

The main application for the WAS series is measuring the tension in bolts for safety monitoring and control, or general quality control. LCM Systems specialise in the design of custom load cells, so have also been heavily involved in designing similar products for rock anchor force measurement, fork lift truck weighing, and tie rod tension monitoring.

If you have a requirement for an annular or through-hole load cell that can not be satisfied with the standard WAS series, then contact our technical department with your requirement, and we will probably be able to solve your application problem for you.

The WAS series can be supplied as a stand alone product or be incorporated into an instrumentation package, to meet your specific application requirements.

Specification :

Range	(FSO) 12.5, 25, 35, 50, 100, 160, 200, 250, 300, 360, 540kN
Maximum Overload Range	150% FSO
Output Sensitivity	1.5mV/V nominal
Zero Offset	< ±5% FSO
Linearity	< ±1.5% FSO (between 50% and 100% FSO)
Repeatability	< ±1% (if mounting position remains unchanged)
Excitation Voltage	10vdc recommended, 15vdc maximum
Bridge Resistance	700Ω
Insulation Resistance	> 500MΩ at 100vdc
Operating Temperature Range	-20°C to +70°C
Compensated Temperature Range	+10°C to +60°C
Zero Temperature Coefficient	< ±0.03% FSO/°C (< ±0.01% FSO/°C optional)
Span Temperature Coefficient	< ±0.03% FSO/°C (< ±0.01% FSO/°C optional)
Environmental Protection Level	IP66
Connection Type	PVC 4-core cable, exiting via cable gland, 2 meters long

Caracteristici tehnice

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