

Hermetically-Sealed Low Profile Compression Disk

Applications

- Platform scales
- Hopper and vessel weighing
- Motor truck scales

Features

- Hermetically-sealed with compact size and low profile
- High output with low deflection
- Electroless nickel plated high alloy steel construction

Description

- The Low Profile Compression Disk designed as the ultimate solution for some difficult applications with critical height for safety reasons. The shear web design provides excellent performance even when the side force inevitably exists in normal operations. A typical example for side force resistance is the application in motor truck scales.
- HCD is constructed of alloy steel and hermetically-sealed to IP67 providing excellent protection against corrosive and wash-down environments.

Specifications

Standard Capacity	25K, 50K, 100K lb		
Recommended Excitation	10 V AC/DC	Compensated Temp. Range	-10°C to +40°C
Maximum Excitation	15 V AC/DC	Operating Temp. Range	-20°C to +60°C
Output at Rated Load	3 mV/V±0.25%	Zero Balance	±1%
Combined Error	0.05%	Input Resistance	385±5Ω*
Non Repeatability	0.02%	Output Resistance	350±3Ω +
Creep (20 minutes)	0.03%	Insulation Resistance(50VDC)	>5000 MΩ
Zero Return (20 minutes)	0.03%	Deflection at Rated Load	<0.5mm
Temp. Effect/10°C on Span	0.015%	Safe Overload	150%
Temp. Effect/10°C on Zero	0.026%	Ultimate Overload	300%
*:770Ω for 100K lb		+:700Ω for 100K lb	

All Specifications Listed Subject To Change Without Notice