Pancake Load Cell

PC-1.0

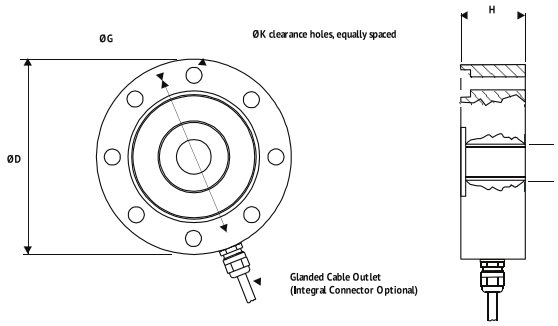
Low Profile Tension & Compression Load Cell - 5kN to 1000kN.



Options

- Other ranges available on request
- Full range of mounting options
- Connector version
- Double bridge version
- Atex approved version

Dimensional Data



Features:

- Range 5kN to 1000kN
- Low profile design
- Low deflection
- Atex certification available
- High natural frequency
- Excellent rejection of extraneous forces
- Fatigue rated to 109 full cycles

Applications:

- Test machines
- Cable engines and tensioners
- Offshore applications
- Integration in OEM applications

Range (kN)	Part Number	ØD	H	ØG	ØK	T
5	0001 – 1098	107	33	90	8 off Ø8.5	M20x2
10	0001 – 1099	107	33	90	8 off Ø8.5	M20x2
25	0001 – 1100	107	33	90	8 off Ø8.5	M20x2
50	0001 – 1101	107	33	90	8 off Ø8.5	M20x2
100	0001 – 1102	155	45	130	12 off Ø11	M36x2
200	0001 – 1103	155	45	130	12 off Ø11	M36x2
500	0001 – 1104	280	78	230	16 off Ø17	M64x6
1000	0001 – 1105	280	78	230	16 off Ø17	M64x6

Specification

Capacities	±5, ±10, ±25, ±50, ±100, ±200, ±500, ±1000 kN
Full Load Output	2.0 (±0.25%) mV/V
Zero Load Output	<±2.0 %
Excitation (Max)	10 (15) V
Accuracy	<0.1 %
Repeatability	<0.03 %
Input Resistance	375 (±20) Ω
Output Resistance	350 Ω
Compensated Temp. Range	-10 to +40 °C
Operating Temp. Range	-20 to +60 °C
Temp. Coefficient on Zero	<0.005% Capacity/°C
Temp Coefficient on Span	<0.005% Capacity/°C
Safe Overload	150 %
Insulation	500MΩ @100Vdc
Environmental Protection	IP65
Cable Length	4m

