Compression Diaphragm Load Cell

Features

- Capacities 500KG – 1000KG.
- IP65 sealing.
- 1% accuracy RO.
- Optional custom dimensions.



Applications

- Hoppers and small silos.
- Industrial platforms.
- Test rigs.

Description

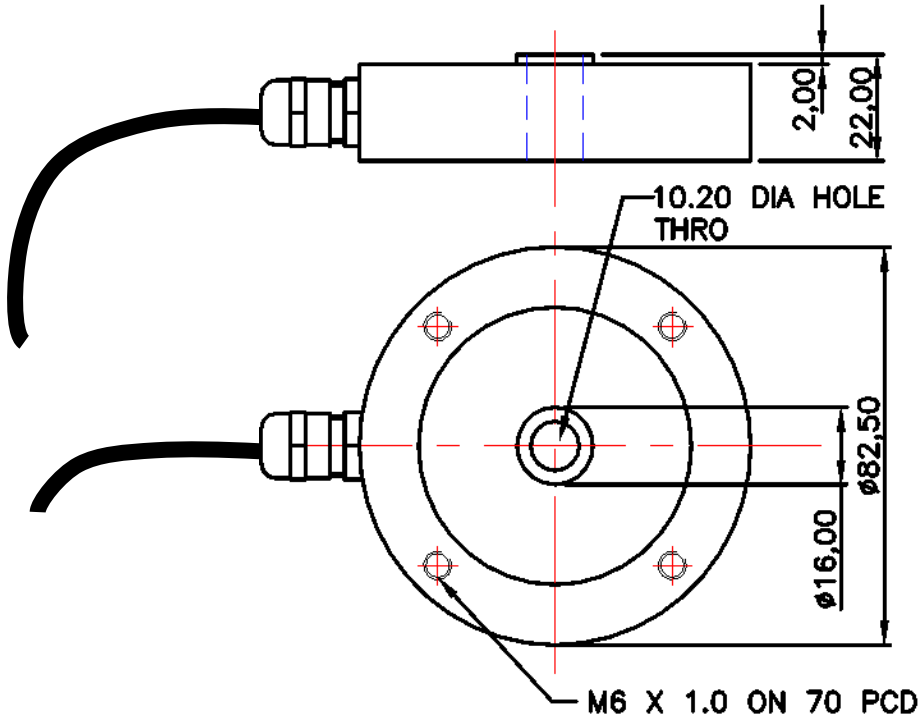
The C-DIA is a diaphragm design compression load cell produced from aluminium (500KG) or stainless steel (1000KG). Its low-profile design allows it to be used in applications where this is restricted height.

Typical Specification

PARAMETER	VALUE		UNITS
Capacities Range	500	1000	KG
Nominal Sensitivity	2		mV/V
Linearity & Non-Repeatability	0.5-1.0		±% of Rated Output
Zero Balance	1.0		±% of Rated Output
Temperature Range: Operating	-30 to +80		°C
Temperature Range: Compensated	-10 to +70		°C
Temperature Effect: On Output	0.1		±% of Applied Load/°C
Temperature Effect: On Zero	0.02		±% of Rated Output/°C
Input Impedance	400		Ω
Output Impedance	350		Ω
Insulation Resistance	>2		GΩ
Excitation: Recommended	10		Volts AC or DC
Excitation: Maximum	15		Volts AC or DC
Mechanical Limit: Safe Overload	150		% of Rated Output
Mechanical Limit: Ultimate Overload	300		% of Rated Output
Cable Length	6		m
Sensor Construction Material	Aluminium	Stainless Steel	-
Environmental Protection	IP65		-
Weight	0.5		~KG

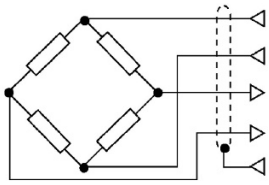
Dalehouse Lane, Kenilworth, Warwickshire, CV8 2UE, UK
T: 01926 864444 | E: sales@pcm-uk.com
www.pcm-uk.com

Outline Dimensions in millimetres

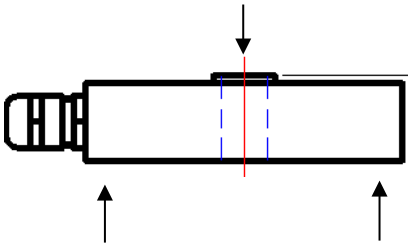


If the dimensions or specification do not suit, PCM has an in-house design team that should be able to satisfy your requirements.

Electrical Connections

LOAD CELL	OUTPUT	CABLE
	EXCITATION +	Red
	EXCITATION -	Blue
	OUTPUT +	Yellow
	OUTPUT -	Green
	----------	Shield

Loading Mode



Disclaimer

Modifications reserved. All details describe our products in general form only. PCM assumes no liability whatsoever, and disclaims any express or implied warranty relating to sales and/or use of PCM products including liability or warranties relating to fitness for a particular purpose.

Dalehouse Lane, Kenilworth, Warwickshire, CV8 2UE, UK
T: 01926 864444 | E: sales@pcm-uk.com
www.pcm-uk.com