

High Range Pressure Transducer

BP6

Features

- ▶ Ranges 1000, 2000, 3000 bar
- ▶ Stainless Steel single piece diaphragm
- ▶ 1/4" BSPP male pressure port
- ▶ 1000ohm bridge resistance
- ▶ Cable gland or integral connector output versions available.
- ▶ Version available with amplified analogue or digital outputs



Description

The LCM Systems range of Pioden Transducers has been widely used for many years.

The BP6 has been specifically developed for high pressure applications, where a robust and accurate sensor is required. The accuracy achieved with the BP6 makes it ideal for many industrial applications, where the performance of the BP70 is not required.

The BP6 can be further enhanced to meet your specific application requirements with any one of the many options that are available, including improved temperature compensation, matched outputs, or by integrating electronics. There are separate data sheets available for the integrated electronic versions.

LCM Systems can also supply the BP6 with any one of the many instruments in our range, offering a complete integrated instrumentation package from a single source.



LCM Systems Ltd

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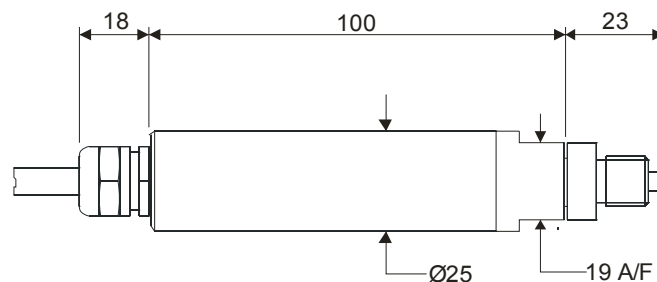
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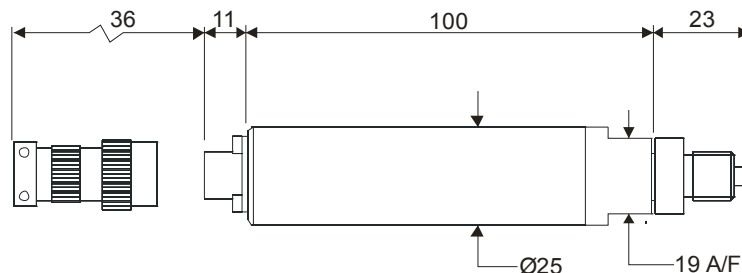
Specification

Pressure Range (FSO)	1000, 2000, 3000bar
Overpressure Range	150% (110% for 3000bar version)
Burst Pressure	5400bar
Output Sensitivity (nominal)	1.5mV/V
Zero Offset	<±0.03mV/V
Accuracy	<±0.50%FSO
Repeatability	<±0.10%FSO
Excitation Voltage	10vdc recommended, 15vdc maximum
Bridge Resistance	1000ohms
Insulation Resistance	>500Mohms @ 250vdc
Operating Temperature Range	-20°C to +70°C
Compensated Temperature Range	-10°C to +70°C
Zero Temperature Coefficient	<±0.03%FSO/°C
Span Temperature Coefficient	<±0.04%FSO/°C
Environmental Protection Level	IP67 (cable version), IP66 (connector version)
Connection Type	Cable version 5m PUR 4-core, Connector version MIL-26482
Pressure Port	¼" BSPP male high pressure
Wetted Parts	17-4PH Stainless Steel
Options Available	Amplified analogue or digital output (see separate data sheets)

Integral Cable Version



Integral Connector Version



Due to continual product development, LCM Systems Ltd. reserves the right to alter product specifications without prior notice.

Issue Date:

04/05



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