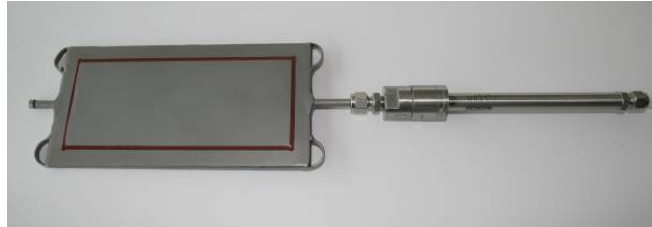


Load Cell LC-01

Description

The load cell LC-01 consists of an oil filled pad connected to the pressure sensor P-01. When subjected to load, the oil inside the pad is pressurised and this pressure change is transferred to the pressure sensor.



Features

- Fibre optic Load Cell with load ranges from 1 up to 150 bar
- Watertight and ruggedized housing, applicable in harsh environments
- Temperature compensation by means of an internal fibre optic temperature sensor

Applications

The Load Cell can be applied to measure underground loads and stresses.

Standard specifications

Parameter	Value
Load range	1/ 5/ 10/ 20/ 50/ 100/ 150 bar
Load resolution ¹	≤ 0.125 % FS
Load precision ¹	≤ 0.25 % FS
Temperature range ²	-20 °C to +60 °C
Load cell dimensions (W x H)	100 mm x 200 mm
Housing material	SS316
Pigtail diameter	3 mm
Pigtail length ²	1.5 m
Pigtail material	LDPE
Connector type	FC/APC
Water tightness ³	IP68

¹ Taking into account a depolarized measurement device with a 1 pm wavelength resolution and precision.

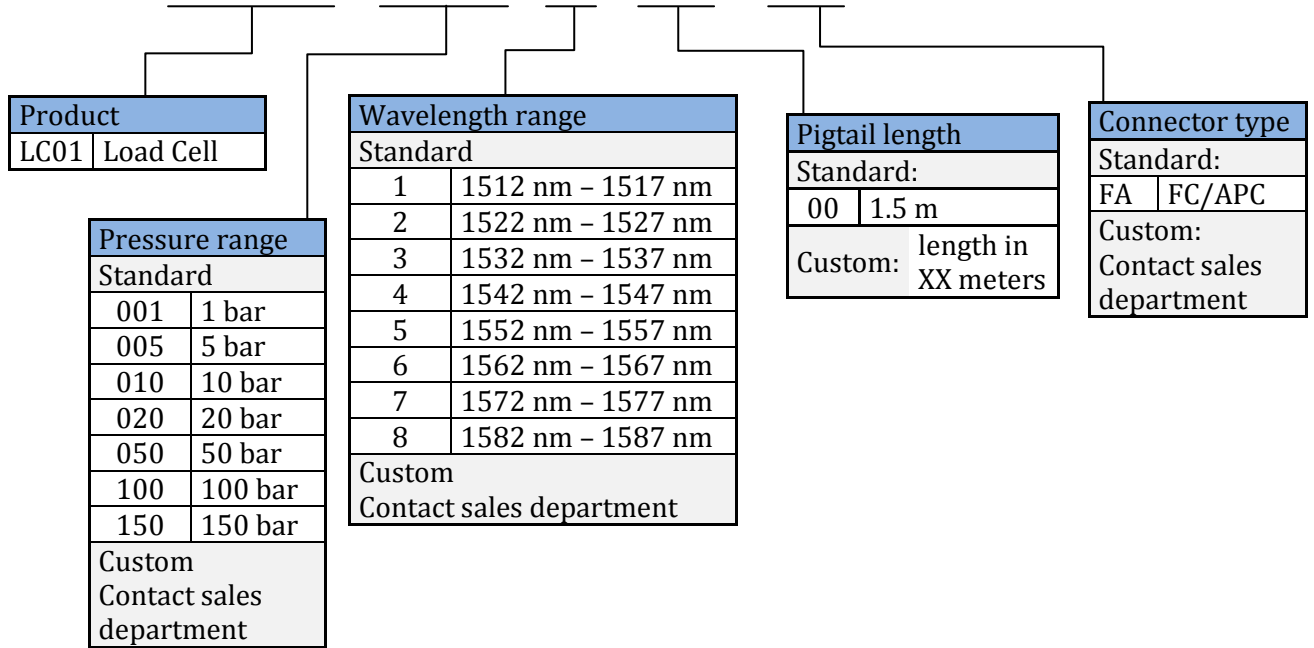
² Extendable on request.

³ Watertight at 10 bar for 12 hours.

Ordering information

Example:

L	C	0	1	-	0	1	0	-	5	-	0	0	-	F	A
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