

AX-LDPT482

Liquid Differential Pressure Transmitter

AXIO



Product overview

The AX-LDPT482 Differential Pressure Transmitters are piezo-resistive sensor for pressure monitoring of liquids and non aggressive gases. The units are available in a number of different ranges with either a 4-20mA or 0-10Vdc output signal. Mechanical connection is via 1/8" BSP parallel female brass connectors and come complete with a 1m cable. The AX-LDPT482 is supplied complete with a mounting bracket.

Features

- Compact size
- 1/8" BSP female connection
- 0-10Vdc and 4-20mA variants
- Complete 1m cable and mounting bracket

Product specifications

Range:	160, 400mbar and 1, 2, 4, 7, 10 and 16bar
System Pressure:	-1bar G to 20bar G
Burst Pressure:	1.5 x System Pressure
Pressure Connection:	1/8" BSP female brass
Power Supply:	482I 4-20mA Variants 12 to 24Vdc 482V 0-10Vdc Variants 24Vac/dc
Output:	482-I 4-20mA - 2 wire 482-V 0-10Vdc - 3 wire
Accuracy:	0.25% FS
Repeatability:	0.2% FS/year typical
Thermal Error:	0.026% FS/°C from 20°C
Operating Temperature:	-20°C to +80°C
Dimensions:	44.5mm(L) x 49mm(H)
Weight:	0.35kg
Protection:	IP65
CE Approval:	EN-61000-6-2
Country of Origin:	United Kingdom

Order codes

Current Version

Part Number	Description
AX-LDPT482-I-160mBar	Current Output, 0-160mBar
AX-LDPT482-I-400mBar	Current Output, 0-400mBar
AX-LDPT482-I-1Bar	Current Output, 0-1Bar
AX-LDPT482-I-2Bar	Current Output, 0-2Bar
AX-LDPT482-I-4Bar	Current Output, 0-4Bar
AX-LDPT482-I-7Bar	Current Output, 0-7Bar
AX-LDPT482-I-10Bar	Current Output, 0-10Bar
AX-LDPT482-I-16Bar	Current Output, 0-16Bar

Voltage Version

Part Number	Description
AX-LDPT482-V-160mBar	Voltage Output, 0-160mBar
AX-LDPT482-V-400mBar	Voltage Output, 0-400mBar
AX-LDPT482-V-1Bar	Voltage Output, 0-1Bar
AX-LDPT482-V-2Bar	Voltage Output, 0-2Bar
AX-LDPT482-V-4Bar	Voltage Output, 0-4Bar
AX-LDPT482-V-7Bar	Voltage Output, 0-7Bar
AX-LDPT482-V-10Bar	Voltage Output, 0-10Bar
AX-LDPT482-V-16Bar	Voltage Output, 0-16Bar

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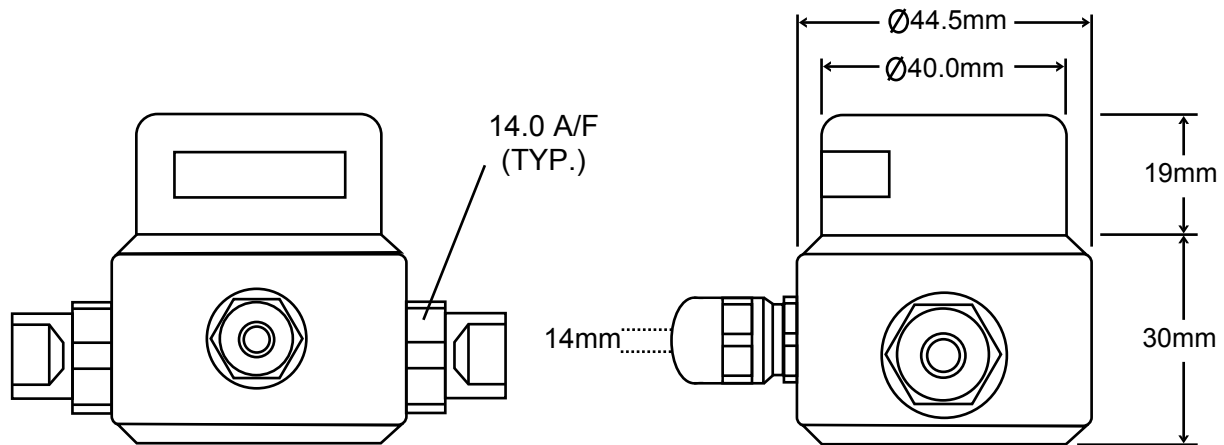


Installation

The AX-LDPT482 should be installed by a suitably qualified technician in accordance with prevailing regulations and any guidelines for the equipment to which it is to be connected. The AX-LDPT482 is not suitable for use with mains voltage.

The AX-LDPT482 is for use in systems under pressure and should be installed in accordance with practices relevant to the intended use only by persons qualified to do so. The AX-LDPT482 should be mounted on a wall or other suitable surface using the bracket provided. Pipework should then be installed to the unit and terminated at ports P1 and P2 using the 1/8" BSP female. It is the responsibility of the installer to ensure that the pipework is suitable for the system pressure.

Dimensions (not to scale)



Connection

Electrical:

1 metre of cable is included with the sensor., electrical connections are made as follows:

AX-LDPT482-I - 4-20mA Versions:

Red: Supply (+) 12 or 24Vdc
White: 4-20mA Output
Drain: Earth

AX-LDPT482-V - 0-10Vdc Versions:

Red: Supply (+) 24Vac/dc
White: 0-10Vdc Output
Black: Common
Drain: Earth

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