

DIFFERENTIAL PRESSURE TRANSMITTERS FOR LIQUIDS DPTL SERIES



The DPTL is made for differential pressure detection in liquids for air-conditioning, heating and water systems. The equipment can withstand mildly corrosive substances and liquids.

Applications

PTL and DPTL series pressure transmitters are suitable for measuring pressure in neutral fluids and non-aggressive gases. Also compatible with refrigerants. They are suitable for all kinds of tasks in air-conditioning, heating and water systems.



MODEL SUMMARY

Description	Model	Product code	Measurement range (bar)
Differential pressure transmitter for liquids, voltage output	DPTL1/V	111.001.001	0...1 bar
Differential pressure transmitter for liquids, voltage output	DPTL2,5/V	111.002.001	0...2.5 bar
Differential pressure transmitter for liquids, voltage output	DPTL4/V	111.003.001	0...4 bar
Differential pressure transmitter for liquids, voltage output	DPTL6/V	111.004.001	0...6 bar
Differential pressure transmitter for liquids, current output	DPTL1/A	111.001.002	0...1 bar
Differential pressure transmitter for liquids, current output	DPTL2,5/A	111.002.002	0...2.5 bar
Differential pressure transmitter for liquids, current output	DPTL4/A	111.003.002	0...4 bar
Differential pressure transmitter for liquids, current output	DPTL6/A	111.004.002	0...6 bar

DIFFERENTIAL PRESSURE TRANSMITTERS FOR LIQUIDS

DPTL SERIES

SPECIFICATIONS

Performance

Accuracy (typ. %/FS):

±1 %

Static pressure maximum:

Ranges 1 & 2.5 bar: 10 bar

Ranges 4 & 6 bar: 21 bar

Bursting pressure maximum:

64 bar

Response time:

10 ms

Technical Specifications

Measuring units:

bar

Environment:

Ambient temperature: -20...80 °C

Temperature of medium: -20...80 °C

Storage temperature and moisture: -20...90 °C,

max 85 % rH

Physical

Material contacting the medium:

Ceramic/Stainless steel A203/1 4305

Sealing material:

EPDM

Electrical connector:

Angle plug according to DIN 43650 Construction A

Pressure connectors:

Inside thread G1/4"

Installation position:

Unrestricted

Enclosure:

Bottom part: Stainless steel 1,4305

Top cover: Aluminium pressure die casting

Weight:

510 g

Protection class:

IP65

Electrical

DPTL with current output:

Supply voltage: 24 VDC / VAC (±20 %)

Current consumption: max 20 mA

Power consumption: < 1.5 W

Output signal: : 4...20 mA, max load 700 ohm (24 VDC),

400 ohm (24 VAC)

DPTL with voltage output:

Supply voltage: 24 VDC / VAC (±20 %)

Power consumption: < 1 W

Output signal: 0...10 V, min load 2 kOhm

Conformance

Meets requirements for CE marking:

EMC Directive 2014/30/EU

RoHS Directive 2011/65/EU

WEEE Directive 2012/19/EU

COMPANY WITH
MANAGEMENT SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 = ISO 14001 =



HOW TO GENERATE A MODEL?

Example:	Product series		
	DPTL-2,5-V	DPTL	Differential pressure transmitters for liquids
		Measuring range (bar)	
		-1	0...1
		-2,5	0...2.5
		-4	0...4
		-6	0...6
		Output	
		-V	Voltage
		-A	Current
Model	DPTL	-2,5	-V