

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.



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:
21 bar

Overpressure maximum:
Ranges 1 & 2.5 bar: 6 bar
Ranges 4 & 6 bar: 16 bar

Response time:
10 ms

Technical Specifications

Measuring units:
bar

Environment:
Ambient temperature: -10...50 °C
Temperature of medium: -10...80 °C
Storage temperature and moisture: -20...50 °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

Electrical

DPTL with current output:
Supply voltage: 15...24 VDC (±10 %)
Current consumption: max 20 mA
Output signal: 4...20 mA, max load 900 ohm / 24 VDC

DPTL with voltage output:
Supply voltage: 15...24 VDC (±10 %) or 24 VAC (±10 %)
Power consumption: typ. 0,37 W (VDC) / 0,9 W (VAC)
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...66
		Output	
		-V	Voltage
		-C	Current
Model	DPTL	-2,5	-V