

## 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:**

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
		<b>Measuring range (bar)</b>
		-1      0...1
		-2,5    0...2.5
		-4      0...4
		-6      0...6.6
		<b>Output</b>
		-V      Voltage
		-A      Current
Model	DPTL	-2,5    -V