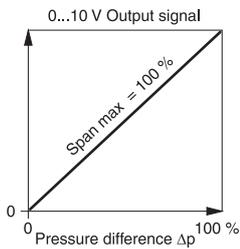
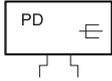




DDLU2\*5F\*01



## DDLU: Differential pressure transducer

### Features

- Measures fine differential pressures in an air duct
- Variable measuring ranges
- Sensors specially developed for any pressure range, providing measurement that is physically precise and stable over a long period
- Calibrated, temperature-compensated sensor signal
- Quick, easy installation; fixing bracket for wall or ceiling mounting, integrated in housing
- Available with or without LCD in Pascal
- Reset button for zero point
- End value can be set by customer
- Can be used in positive or negative pressure
- Measuring method: ceramic cantilever beam
- Included in delivery: transducer, connecting kit with 2 m of PVC hose and connectors

### Technical data

#### Power supply

	Power supply	13.5...33 V=, 24 V~, ±15%
current consumption	Voltage output	< 10 mA
	Current output	< 30 mA

#### Parameters

Characteristic	Linear/root-extracted
Linearity	< ±1%
Hysteresis	< ±1%
Reproducibility	< ±1%
Admissible overload on one side	100 mbar
Filter time constant	OFF/0.2 s/1 s/5 s/20 s

#### Ambient conditions

Admissible ambient temperature	0...70 °C
Admissible temperature of medium	0...70 °C

#### Inputs/Outputs

Outputs	0...10 V, (load > 10 kΩ) 0...20 mA (load < 500 Ω) 4...20 mA (load < 500 Ω)
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#### Construction

Housing material	polycarbonate
Cable inlet	PG 11
Pressure connections	Ø 6.2 mm

#### Standards and directives

Type of protection	IP 54 (EN 60529)
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### Overview of types

Type	Measuring range $\Delta p$ , can be changed	Measuring range $\Delta p$	Weight	Display
DDLU205F001	0...100/300/500 Pa	0...1/3/5 mbar	0.09 kg	–
DDLU225F001	0...1000/1600/2500 Pa	0...10/16/25 mbar	0.09 kg	–
DDLU205F101	0...100/300/500 Pa	0...1/3/5 mbar	0.1 kg	•
DDLU225F101	0...1000/1600/2500 Pa	0...10/16/25 mbar	0.1 kg	•