

Standard metering ranges up to 500 mm H₂O

Max. pressure 3 x metering range

Loop-powered 4-20 mA

12-30 VDC supply

DC66 EX approved (ATEX Zone 22 cl. 3D)

In accordance with CE and EMC regulations



DC 51

DC 66

The pressure sensors series DC are used for monitoring of pressure in various applications.

DC51 is connected with tubes and used for standard applications where there are no specific demands for materials, etc.

DC66 is made in stainless steel 304 and the electronic circuit is moulded, which makes it suitable even in very harsh environments.

The unit is also ATEX approved for zone 22 class 3D.

DC66 is supplied with a 6W heating element, which can be used at very low temperatures, if there is a possibility for condensation.

DC 66 can be connected through a 17 mm hole, with 16 mm male thread, 3/8" female thread, or via connection tubes.

It is possible to fine-adjust the range on both units.

Technical data:

Supply: 2-wire loop 12-30 VDC

Current consumption: 4-20 mA

Metering ranges:
0-50 mm H₂O
0-125 mm H₂O
0-250 mm H₂O
0-500 mm H₂O

Max. pressure: 3 x metering range

Operation temp.:
DC 51: -20°C to +50°C
DC 66: -20°C to +60°C

Accuracy: < 1% FS

Linearity: < 0,1%

Temp. drift: 0,01% FS / °C

Fine adjustment: min. and max. +/- 5%

Connections:
DC 51: 2 screw terminals + and -
DC 66: 4-wire cable, 2 m
black = + metering signal
blue = - metering signal
brown: + 10-30 VDC heating
beige: - heating.

Protection:

DC 51: IP 54
DC 66: IP 60 (with tube IP 65)

Mechanical dimensions:

DC 51: 115 x 90 x 55 mm
DC 66: Ø 66 mm

Weight:

DC 51: 250 g
DC 66: 600 g

EMC and safety.

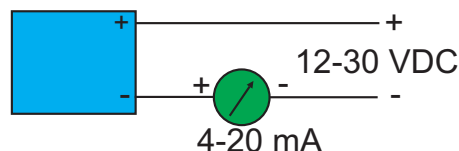
Emission: EN 50 081 - 1

Immunity: EN 50 082 - 2

Safety: EN 60 730

Approvals: The units are produced in accordance with the CE and low voltage regulations.

Connection:



Ordering guide	
Type	Metering range
DC51-050	0 - 50 mm
DC51-125	0 - 125 mm
DC51-250	0 - 250 mm
DC51-500	0 - 500 mm
DC66-050	0 - 50 mm
DC66-125	0 - 125 mm
DC66-250	0 - 250 mm
DC66-500	0 - 500 mm

Special ranges up to 2000 mm H₂O on request