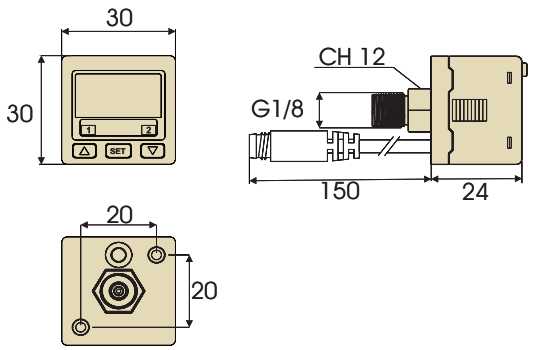
Fig. 1

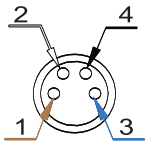
DIMENSIONI



*Measures in mm

Fig. 2

CONNECTION SCHEME



1: brown (+)
2: white (output 2)
3: blue (-)
4: black (output 1)

Fig. 3

APPLICATION EXAMPLE

Fig. 4

Pressure sensor N20 with display

Programmable

Application

In pneumatic and air+oil lubrication systems (without contact with lubricant) in order to check electronically the output pressure of the air+oil outlets

- **Large display with numerical and graphical pressure indicator**
- **Dual color dispay**
- **Change color to alert value**
- **2 channels for each sensor**
- **High precision and quick answer of the measurement**
- **Easy to install**
- **It can be programmed and can communicate with the main PLC unit**

Technical data

Measuring range :	
"0" type	0 ÷10 bar
"1" type	-1 ÷0 bar
Sensor function :	piezoresistive pressure sensor
Indicator accuracy :	± 0,01 bar
Mounting position :	any
(avoid position with condensate of humidity inside the sensor)	
Electrical connection :	cable with connector M8x1
Material (body) :	PA reinforced
Operating voltage :	12 ÷ 24 VDC
Max output current :	125 [mA]
Protection against short circuit :	yes
Protection class :	IP 40
Operating temperature :	0 ÷ 50 °C
Fluid temperature :	0 ÷ 50 °C
Weight :	abt. 45 g

Application example (fig 4):
combination with air+oil mixer MVF-A to check the output pressure of the individual air+oil lubrication points

- Subject to changes without any notice -

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Leaflet dd: 06.06.2012
Replaces that of: 15.05.2012

Ordering code:
Pressure sensor N20

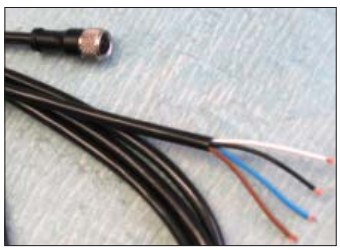
N20 / ○ / ○ / ○ / ⓪

Pressure range	Output	El. cable lenght
⓪ 0÷10 bar 0÷1000 MPa ① -1÷0 bar -101,3÷0 kPa	① 2 PNP ② 1 PNP + Analog (1-5V) ③ 1 PNP + Analog (4-20 mA)	① Standard L=150 mm

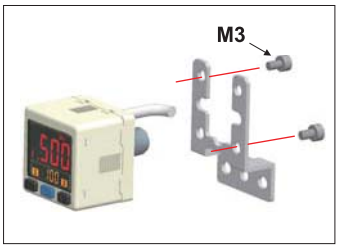
Tab.1

Order example:
Pressure sensor N20, with range from 0 to 10 bar, with 2 PN output, with male connector M8x1 L=150 mm.

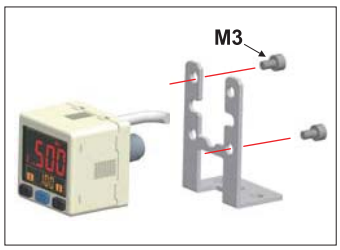
Order code: **N 200 110**



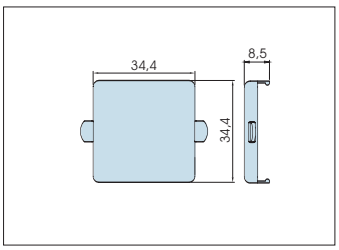
M8 4pol. female connector
Fig. 4



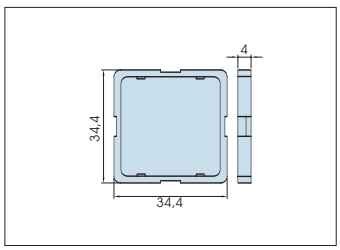
Vertical mounting bracket (V)
Fig. 5



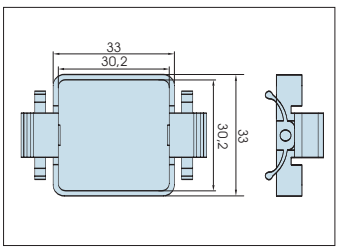
Horizontal mounting bracket (O)
Fig. 6



Front protective lid (C)
Fig. 7



Front panel adapter (A)
Fig. 8



Back panel adapter (B)
Fig. 9

Accessories: (separately order)

Cable with straight female connector 4 poles M8 lenght 3 m (fig.4)	**N 860060**

Accessories for installation:

Mounting bracket (V+O) (fig.5+fig.6)	**N 206111**
Mounting bracket (V) for vertical fixing (fig.5)	**N 206112**
Mounting bracket (O) for horizontal fixing (fig.6)	**N 206113**
Front panel adapter (A) (fig.8), back (B) (fig.9)	**N 206114**
Front panel adapter (fig.8) and back adapter (fig.9) and protective lid (C) (fig.7)	**N 206115**

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