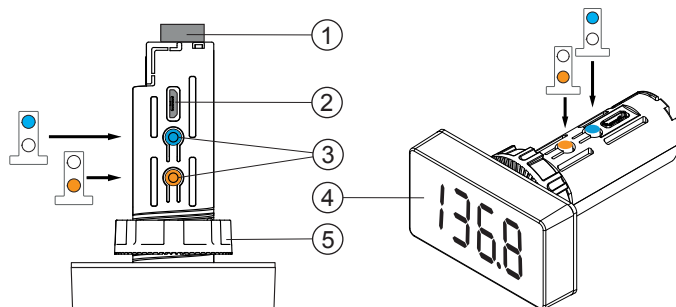
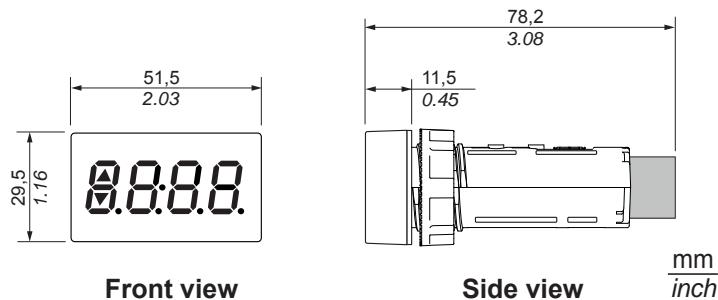




- For translated instructions sheets, please scan the QR code  
 - Pour les fiches d'instructions traduites, veuillez scanner le code QR  
 - Para las hojas de instrucciones traducidas, por favor escanee el código QR  
 - Per i fogli di istruzioni tradotti, scannerizzare il codice QR  
 - 对于翻译的说明书, 请扫描QR码

## Digital Panel Meter

### XBH1AA0●4



#### Product description and features

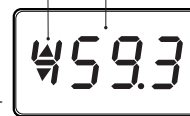
- Passive loop display 4...20 mA
- 4-digit programmable projection
- Scaling of measured values
- Power supply from the loop
- Display alarm for values outside the specified range
- Password protection to prevent unauthorised changes of settings

Measured value (red/green LED)

High/Low Limit status (red/green LED)

ON the triangle is lit  
 OFF the triangle is not lit  
 OFF the triangle is flashing when the time delay feature is enabled

▲ HIGH Limit Indicator  
 ▼ LOW Limit Indicator



- ① - Input connectors
- ② - USB port for Schneider Factory use only
- ③ - Interaction buttons
- ④ - 4 digit display
- ⑤ - Fixing nut

#### ⚠️ DANGER

##### HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

- Disconnect all power before servicing equipment.

Failure to follow this instruction will result in death or serious injury.

#### ⚠️ WARNING

##### EQUIPMENT OPERATION HAZARD

- Do not use this product in safety critical system.  
 - Do not disassemble, repair or modify this product.  
 - Do not operate beyond the recommended operating environment.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

#### ⚠️ CAUTION

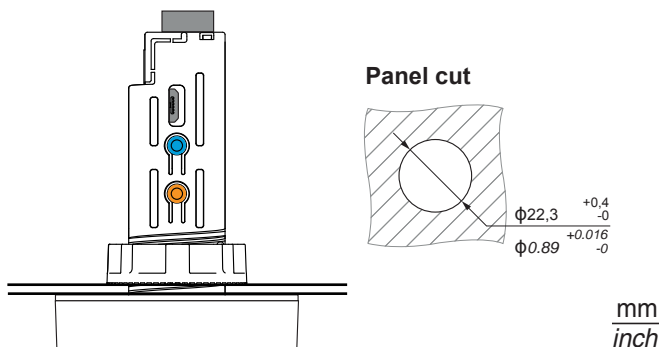
##### EQUIPMENT OPERATION HAZARD

- Install 100 mA fuse UL...Class CC ; IEC...gG if unable to determine loop input current is within 4 to 20 mA.

Failure to follow this instruction can result in injury or equipment damage.

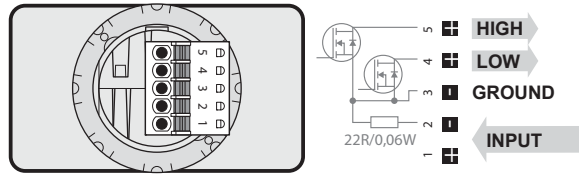
Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

## 2 Installation conditions



POWER SUPPLY	
Power input	From current loop 4...20 mA, voltage drop < 6 V
INPUT	
Number of input	1
Range	4...20 mA, Voltage drop < 6 V
OUTPUT	
Number of output	2 x Power MOSFET, 30 VDC / 0.5 A
PANEL	
Thickness	1...6 mm 0.04...0.24 inches
Torque	1,3 +/- 0.2 Nm 11.5 +/- 1.8 lb-in

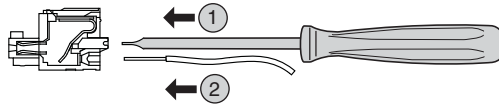
### 3 Product Connection



	Pin 1 and Pin 2	Pin 3 and Pin 4	Pin 3 and Pin 5
Current Range	4...20 mA	0...500 mA	0...500 mA
Voltage Range	N.A.(*)	10...30 VDC	10...30 VDC

(\*) Voltage Range for Pin 1 and 2 is dependant on the voltage specification of the sensor in use.

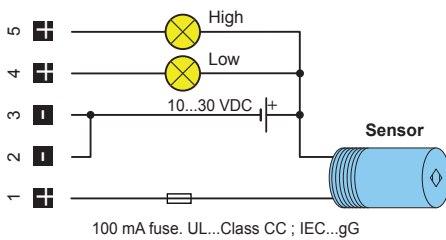
**Note:** Contactors, high power electric motors, frequency drives and other power devices should not be in a close proximity of the meter. Input signal leads (measured value) should be separated from all power lines and power devices. Even though the meters has been designed and tested according to standards for industrial environment, we strongly advise to adhere to the above presented rules.



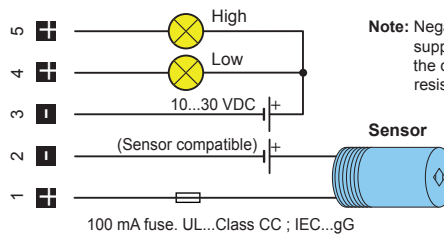
mm	6-8	
inch	0.24-0.31	
mm <sup>2</sup>	0,2...1,0	
AWG	24...17	

Slotted		Ø 2 mm / 0.08 in
---------	--	------------------

#### Connection with 1 power supply



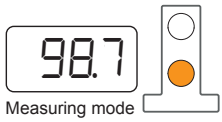
#### Connection with 2 power supplies



**Note:** Negative poles of the power supplies are connected inside the digital panel meter via a resistor.

Inputs for both diagram should follow product specifications.

# 4 Setting Instructions



### Legend:

- Interaction buttons
- Settings not saved
- Settings saved
- Return to measuring mode
- Default

**PAS.** Password to access the menu range: 0...9999

2s

If password is set as "0", then access is not password protected and the sign "PAS." is not displayed

**Min.** Setting display projection for minimum value of input signal range: -999...9999

DEF 00

**Max.** Setting display projection for maximum value of input signal range: -999...9999

DEF 1000

**FLP.** Setting projection of the decimal point The projection can be either with fixed decimal point as well as with the floating decimal point "FL.P."

DEF 000.0

0000  
000.0  
00.00  
0.000  
FL.P.

**rATE** Setting of measuring rate range: 0,1...100 measurements/s

DEF 10

100  
50  
20  
10  
5  
2  
1  
0,5  
0,2  
0,1

**L.L.** Setting of LOW Limit value range: -999...9999

DEF 25

When the Limit is activated, there is a triangle in the first digit segment ▼

**HY.L.** Setting of LOW Limit hysteresis range: 0...9999

DEF 0

**EN.L.** Setting of LOW Limit time delay range: 0...99,9 s

DEF 0

**L.H.** Setting of HIGH Limit value range: -999...9999

DEF 100

When the Limit is activated, there is a triangle in the first digit segment ▲

**HY.H.** Setting of HIGH Limit hysteresis range: 0...9999

DEF 0

**EN.H.** Setting of HIGH Limit time delay range: 0...99,9 s

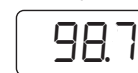
DEF 0

**n.PAS.** Setting new access password range: 0...9999

DEF 0

**IdEn.** Displaying the instrument's SW version Type of instrument and SW version are projected on the display

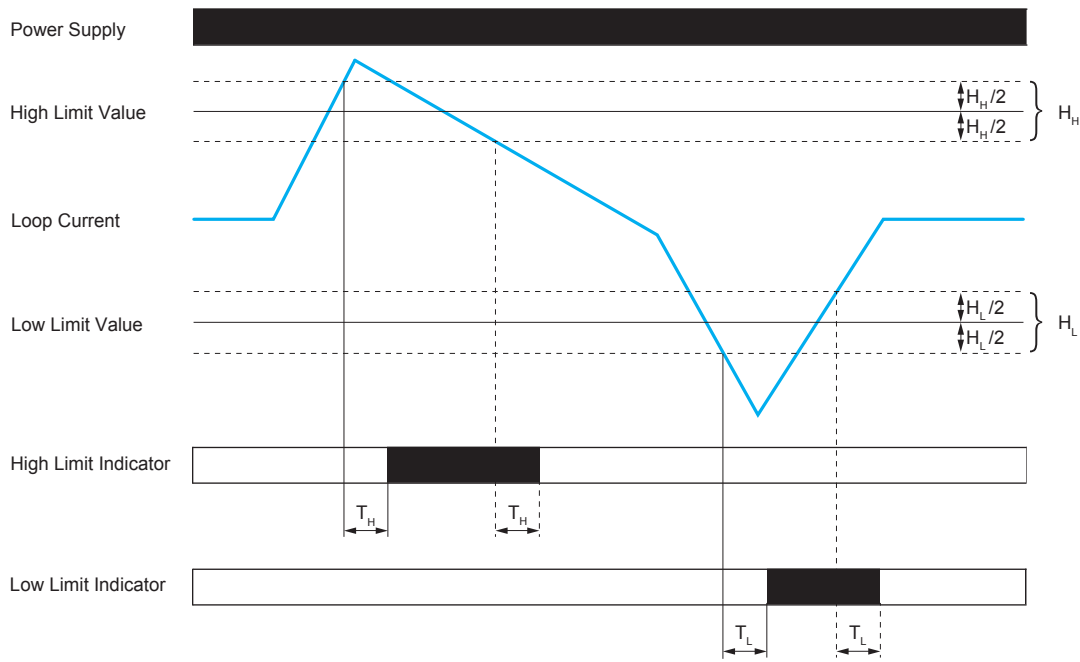
DEF 0003



Return to measuring mode

ERROR	CAUSE	ELIMINATION
E.d.	Number is too small (Large negative) to be displayed	Change DP setting, channel constant setting
E.d.	Number is too big to be displayed	Change DP setting, channel constant setting

5 Current



Function diagram:

- Indicator not activated
- Indicator activated
- $H_H$ : High limit hysteresis
- $H_L$ : Low limit hysteresis
- $T_H$ : High limit time delay (0...99,9 sec)
- $T_L$ : Low limit time delay (0...99,9 sec)

Calibration report available on request. Please contact Schneider Electric for more information.

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This product must be installed, connected and used in compliance with prevailing standards and/or installation regulations. As standards, specifications and designs develop from time to time, always ask for confirmation of the information given in this publication.