

4-20mA loop powered Display meter  
Two-wire 4-20mA Indicator

CONFIGURATION HANDBOOK

**95600RD**



**95601**



**95600EXT**



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## Presentation

The 95600RD is a loop powered indicator in DIN rail mounting enclosure.

The configuration of the indicator display can be set by 3 buttons and permits to change the display range.

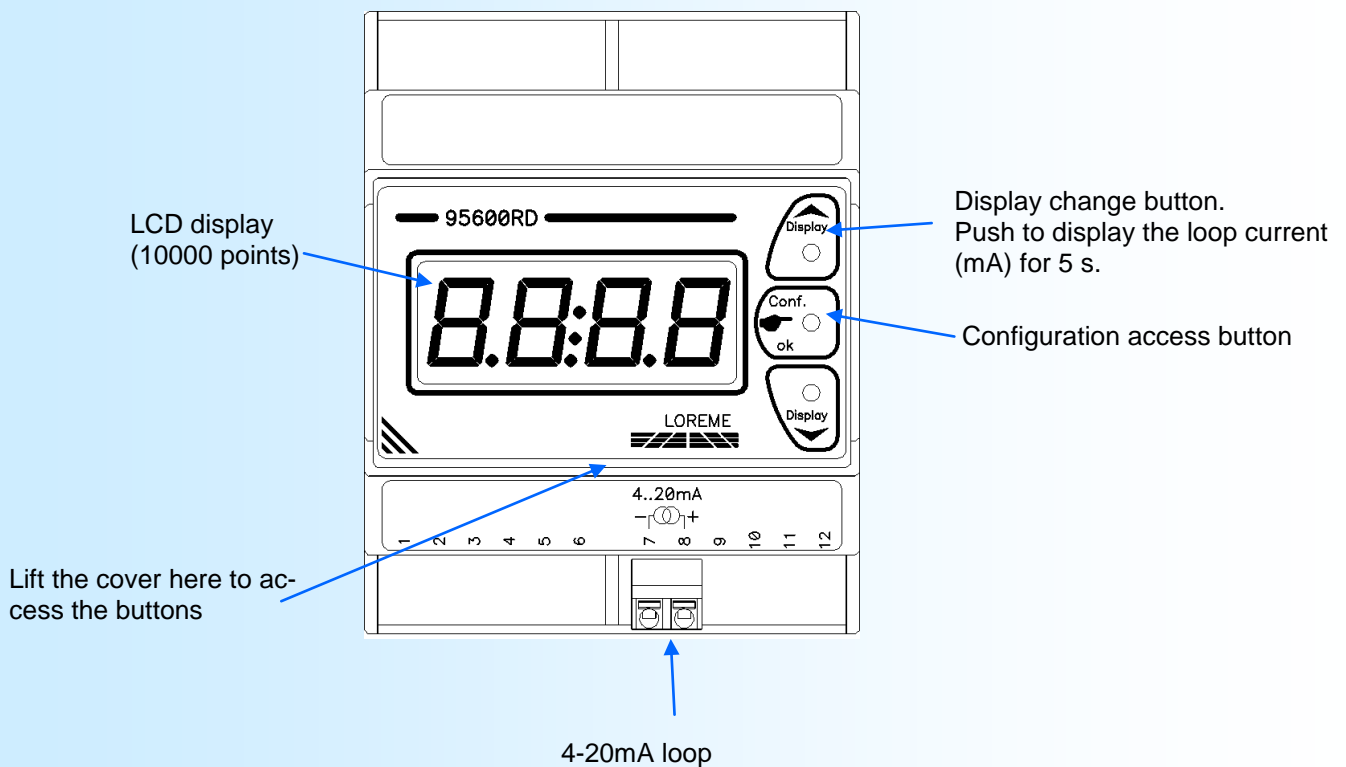
Adjustable parameters are:

- Decimal point,
- Low scale value (-999 à 9999).
- High scale value (-999 à 9999).

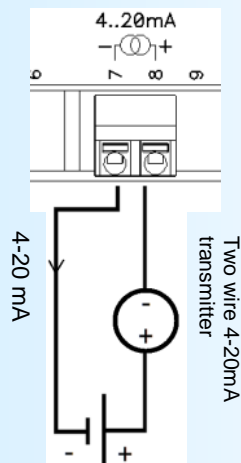
The display range serve's to interpret the input signal into a physical unit, making easier reading of measured information.

Ex: Input 4-20 mA / Display range scale 0-1000. Than if input = 12mA => display = 500.

Technical specification can be downloaded at: [http://www.loreme.fr/fichtech/95600\\_eng.pdf](http://www.loreme.fr/fichtech/95600_eng.pdf)



## Wiring



## Presentation

The 95601 is a panel loop powered indicator.

The configuration of the indicator display can be set by 3 buttons and permits to change the display range.

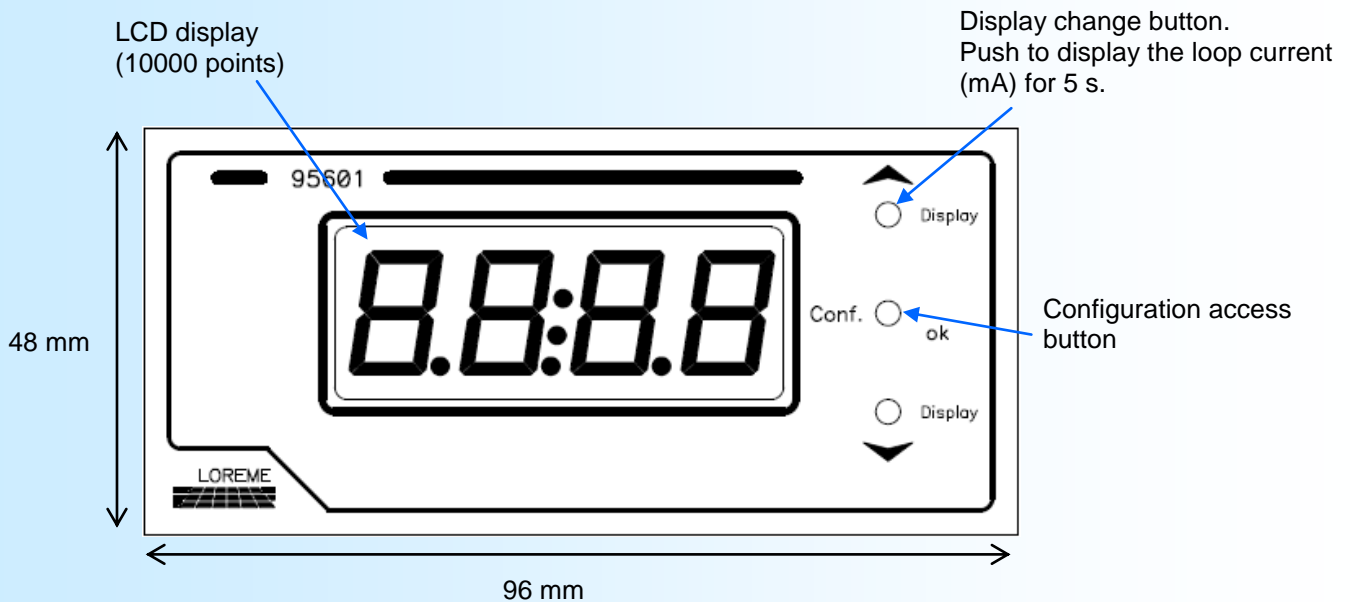
Adjustable parameters are:

- Decimal point,
- Low scale value (-999 à 9999).
- High scale value (-999 à 9999).

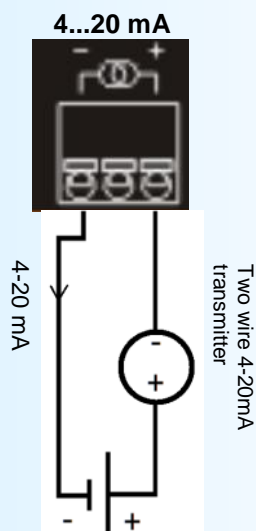
The display range serve's to interpret the input signal into a physical unit, making easier reading of measured information.

Ex: Input 4-20 mA / Display range scale 0-1000. Than if input = 12mA => display = 500.

Technical specification can be downloaded at: [http://www.loreme.fr/fichtech/95600\\_eng.pdf](http://www.loreme.fr/fichtech/95600_eng.pdf)



## Wiring



## Presentation

The 95600EXT is a loop powered indicator mounted in an IP66 box for field usage (ATEX ex-proof box on request).

The configuration of the indicator display can be set by 3 buttons and permits to change the display range.

Adjustable parameters are:

- Decimal point,
- Low scale value (-999 à 9999).
- High scale value (-999 à 9999).

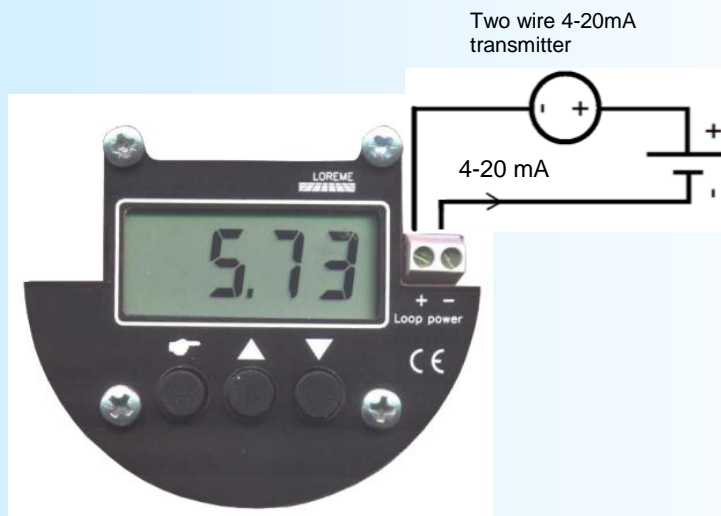
The display range serve's to interpret the input signal into a physical unit, making easier reading of measured information.

Ex: Input 4-20 mA / Display range scale 0-1000. Than if input = 12mA => display = 500.


Technical specification can be downloaded at: [http://www.loreme.fr/fichtech/95600\\_eng.pdf](http://www.loreme.fr/fichtech/95600_eng.pdf)



## Wiring



## Configuration



Press  / **conf.** button to enter configuration mode.

All the configuration parameters are reachable with the following menus:

### Decimal point

=> **Menu 'dP'**


When configuration mode start, the device automatically display '**dP**' with decimal point at its actual position.

To modify it, press key  or  up to required position.



The point move only from right to left (pressed key doesn't matter).

### Low scale

=> **Menu 'Lo'**


To switch to low scale menu, press  / **conf.** button.

Device display alternatively '**Lo**' message and actual scale value.



By pressing key  or , you can increment or decrement value.


### High scale

=> **Menu 'Hi'**

To switch to high scale menu, press  / **conf.** button.

Device display alternatively '**Hi**' message and actual scale value.

By pressing key  or , you can increment or decrement value.

To save new parameters in non volatile memory, press  / **conf.** button.

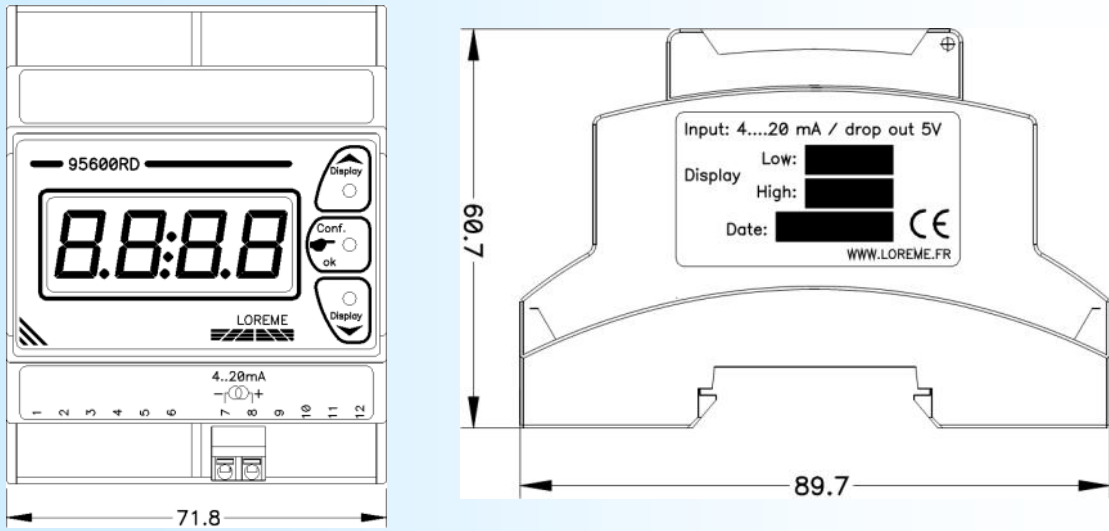
Message '**Fin**' is displayed for a short time indicating that parameters are saved. Then, device come back to measure mode.

### Note:

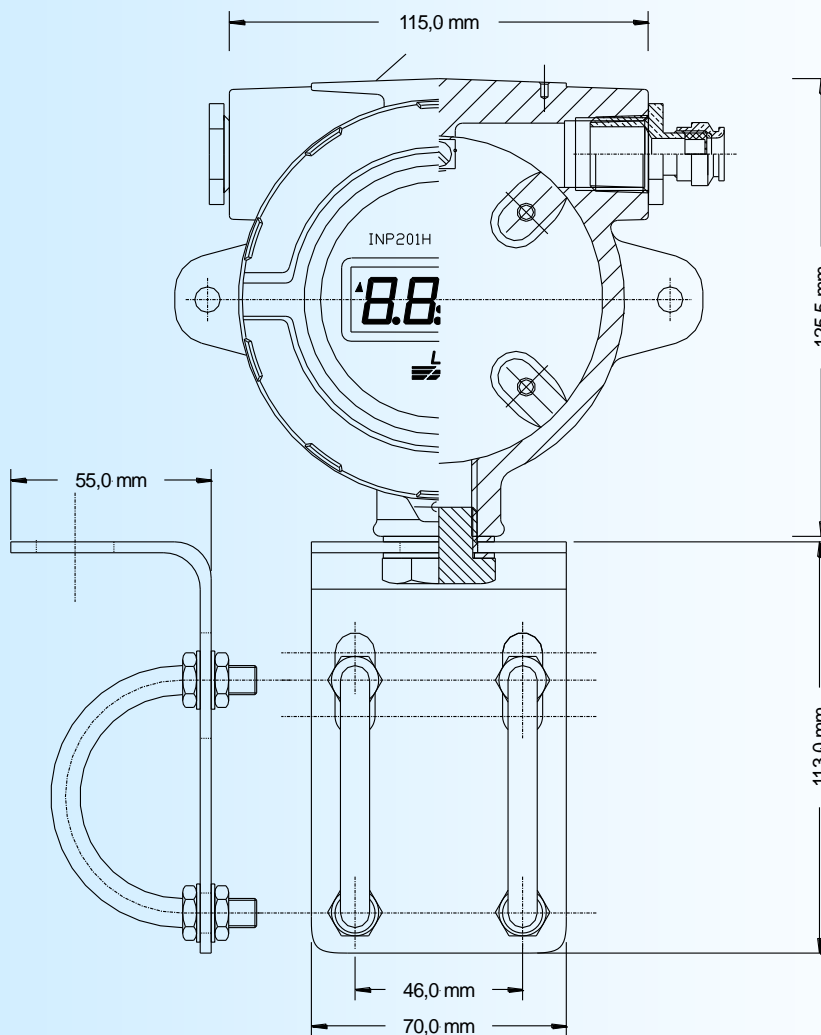
*If no buttons are pressed for more than 20 s, the device returns to measure mode without saving the parameters.*

# OUTLINE DIMENSION

## 95600RD



## 95600EXT



## EMC Consideration

### 1) Introduction

To meet its policy concerning EMC, based on the Community directives **2014/30/EU** & **2014/35/EU**, the LOREME company takes into account the standards relative to this directives from the very start of the conception of each product.

The set of tests performed on the devices, designed to work in an industrial environment, are made in accordance with **IEC 61000-6-4** and **IEC 61000-6-2** standards in order to establish the EU declaration of conformity. The devices being in certain typical configurations during the tests, it is impossible to guarantee the results in every possible configurations. To ensure optimum operation of each device, it would be judicious to comply with several recommendations of use.

### 2) Recommendations of use

#### 2.1 ) General remarks

- Comply with the recommendations of assembly indicated in the technical sheet (direction of assembly, spacing between the devices, ...).
- Comply with the recommendations of use indicated in the technical sheet (temperature range, protection index).
- Avoid dust and excessive humidity, corrosive gas, considerable sources of heat.
- Avoid disturbed environments and disruptive phenomena or elements.
- If possible, group together the instrumentation devices in a zone separated from the power and relay circuits.
- Avoid the direct proximity with considerable power distance switches, contactors, relays, thyristor power groups, ...
- Do not get closer within fifty centimeters of a device with a transmitter (walkie-talkie) of a power of 5 W, because the latter can create a field with an intensity higher than 10 V/M for a distance fewer than 50 cm.

#### 2.2 ) Power supply

- Comply with the features indicated in the technical sheet (power supply voltage, frequency, allowance of the values, stability, variations ...).
- It is better that the power supply should come from a system with section switches equipped with fuses for the instrumentation element and that the power supply line be the most direct possible from the section switch.
- Avoid using this power supply for the control of relays, of contactors, of electrogates, ...
- If the switching of thyristor statical groups, of engines, of speed variator, ... causes strong interferences on the power supply circuit, it would be necessary to put an insulation transformer especially intended for instrumentation linking the screen to earth.
- It is also important that the installation should have a good earth system and it is better that the voltage in relation to the neutral should not exceed 1V, and the resistance be inferior to 6 ohms.
- If the installation is near high frequency generators or installations of arc welding, it is better to put suitable section filters.

#### 2.3 ) Inputs / Outputs

- In harsh conditions, it is advisable to use sheathed and twisted cables whose ground braid will be linked to the earth at a single point.
- It is advisable to separate the input / output lines from the power supply lines in order to avoid the coupling phenomena.
- It is also advisable to limit the lengths of data cables as much as possible.