

Use instructions

LEVEL TRANSMITTER STLV



Table of contents

1. IMPORTANT INFORMATION	2
2. SAFETY INFORMATION	2
3. INTENDED USE	3
4. ELECTRICAL CONNECTIONS	3
5. INSTALLATION	3
7. DISPOSAL	3

1. Important information

Read this instruction manual carefully before installing and commissioning the instrument. Keep it in a safe place accessible to users at any time.

The safety of the instrument derives from a careful choice of the model and installation in the system, as well as from compliance with the maintenance procedures established by the manufacturer.

The operators in charge of the instrument selection, installation and maintenance should be able to recognise what conditions may affect the instrument's functioning and that may lead to premature damage or failure of it.

Plants regulations procedures need to be carried out by qualified operators. If used improperly, the instrument may damage and harm operators and the plant. To select the right instrument, all product details can be found in the most updated edition of the general products catalogue available online at www.nuovafima.com.



In compliance with directive	Standards of reference: EN 61326
EMC 2014/30/UE – PED 2014/68/UE	IEC 60770 – IEC 61298-2

2. Safety information



- The manufacturer disclaims all responsibility in case of damages caused by the improper use of the product and by the non-respect of the instructions reported in this manual.
- The specific safety rules in case of measuring oxygen pressure, acetylene, inflammable or toxic gas or liquids must be observed.
- Disconnect the instrument only after the depressurisation of the system.
- The process fluids residuals remaining in the disassembled instrument components could affect people, the environment and the system. Therefore, proper precautions are highly recommended.



- Before installation, ensure the right instrument has been selected according to the working conditions and, in particular, the range, the working temperature and the compatibility between the material used and the process fluid.
- This manual does not concern the instruments which conform to standard 94/9/CE (ATEX).
- In case of non-authorized modifications and of unproper use of the product, the product warranty is no longer valid.
- The user is responsible for the instrument installation and maintenance.
- Instruments that measure toxic or inflammable fluids should be handled and stored with extreme care.

3. Intended use

The pressure transmitter turns the input pressure into an output electrical signal. The electrical signal changes in proportion to the input pressure level.

4. Electrical connections

		Cable exit
Output signal:	4...20 mA	
N° of wires:	2	
Charge (Ohm):	$R_L - (V_{in}-10)/0,02$	
Input +Vin:	10...30	

			Cable exit
Output signal:	0...5 Vdc	0...10 Vdc	
N° of wires:	3	3	
Charge (Ohm):	min. 5Kohm	min. 10Kohm	
Input +Vin:	8...30	14...30	

The transmitter metal case should always be connected to ground through the process connection thread in order to protect it from disturbances due to electromagnetic fields or electrostatic charges.

If this procedure cannot be performed, the transmitter should be connected to the ground through the connector and the cable screen.

5. Installation

The STLV transmitters are “*maintenance-free*”.

In case of damage, contact NUOVA FIMA S.r.l. through the following service:

Product Return - www.nuovafima.com/en/product-return/



6. Disposal

Instrument components and packaging materials must be disposed of respecting the environment and observing the specific national rules.