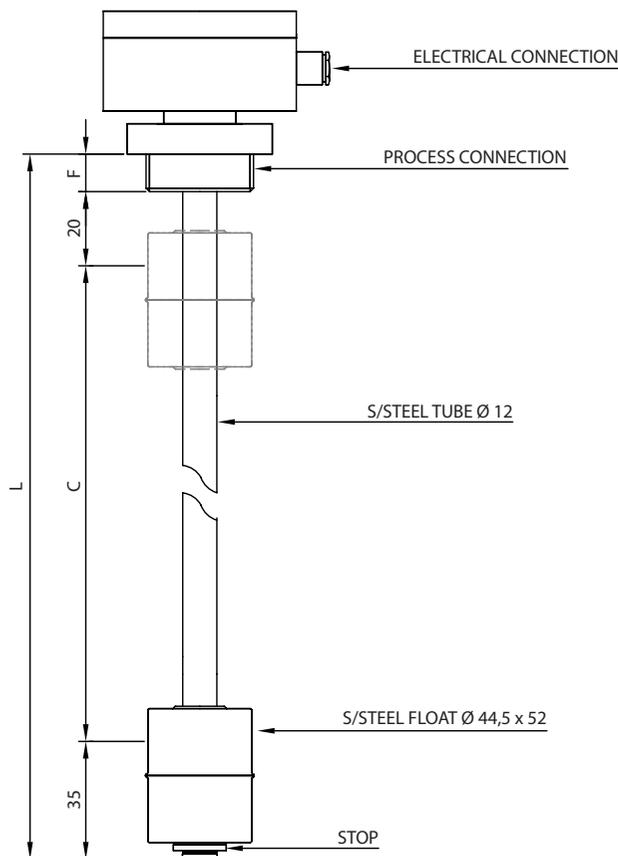


IEG-CRXI

CONTINUOUS LEVEL INDICATOR CERTIFICATE N° TUV 12 ATEX 109610



USE:

The level indicators CRXI are built in accordance with the ATEX Directive (94/9/EC) for use precise and continuous indication of the level of a liquid in a generic tank, placed in an environment where there is a continuous for a long period of time an explosive atmosphere consisting of a mixture with air or flammable substances in the form of gas, vapor or mist (zone 0 - ref. EN 60079-10).

The gauges are marked:



II 1/2 G Ex ia II CT5 Ga/Gb

OPERATION:

The Floating houses within a toroidal magnet, whose field operates without physical contact, small reed switches located inside the tube (see FIG.1). The drive of these contacts allows the gradual setting or unsetting of the resistors, which are also placed inside the sliding tube, allowing the continuous reading of the liquid level.

The resistive signal thus generated is converted into a 4-20 mA signal manageable in a safe zone thanks to the use of a separation barrier.

FITTING:

The mounting of the level indicator must be in a vertical position.

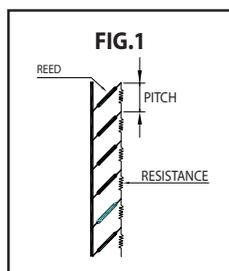
The float, each in its position, has to be distant from ferrous surfaces (tank walls, etc.) Minimum 35 mm.

A gasket (flat or toroidal) guarantees from the escape of liquid through the fixing hole of the level switch.

TECHNICAL ADVANTAGES:

- Indication constant and continuous level of repeatability with high accuracy.
- Indication linear level, regardless of the shape of the tank and the distance between the gauge and the tank walls.
- Remote indication of the measure and drive capability of additional controls.

C= MAXIMUM CONTROL RANGE
C= L-F-55

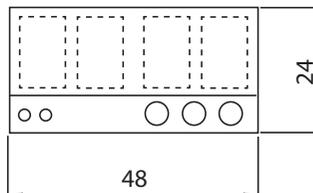


TECHNICAL DATA AND ORDER

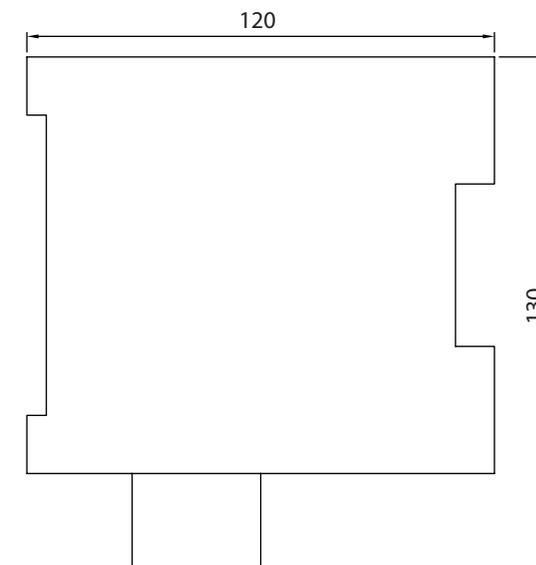
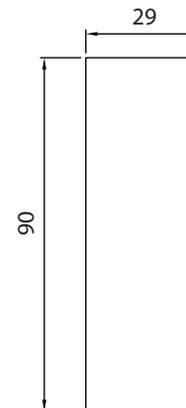
-20°C ≤ Tamb. ≤ +60°C
 -20°C ≤ Tproc. ≤ +60°C

**INTRINSIC SAFETY INTERFACE OF THE EQUIPMENT
 (MAXIMUM VALUES)**
 Ui= 30Vdc li= 101mA Pi= 758mW Ci=0nF Li= 0 μH

DIGITAL DISPLAY
 2 ADJUSTABLE ALARMS
 20...53 Vac/Vdc



ANALOG INTERFACE CHARACTERISTICS



POWER: FROM 21 48 Vdc

| MODEL | "L" | "C" | CONNECTION | INTRINSIC SAFETY ANALOG INTERFACE | OPTICAL DISPLAY | |
|---------------------|---------------------|--|------------|-----------------------------------|-----------------|--------|
| IEG-CRXI | FROM 200 TO 2500 mm | CS= MAX ALLOWED C= "CUSTOMER SPECIFICATION" | 1 | 1"1/2GAS (F=12) | 0= NO | 0= NO |
| | | | 2 | 2"GAS (F=15) | | |
| | | | 3 | CLAMP 2"1/2 | 1= YES | 1= YES |
| | | | R | ON REQUEST | | |
| ES: IEG-CRXI | L800 | CS | 2 | 1 | 1 | |