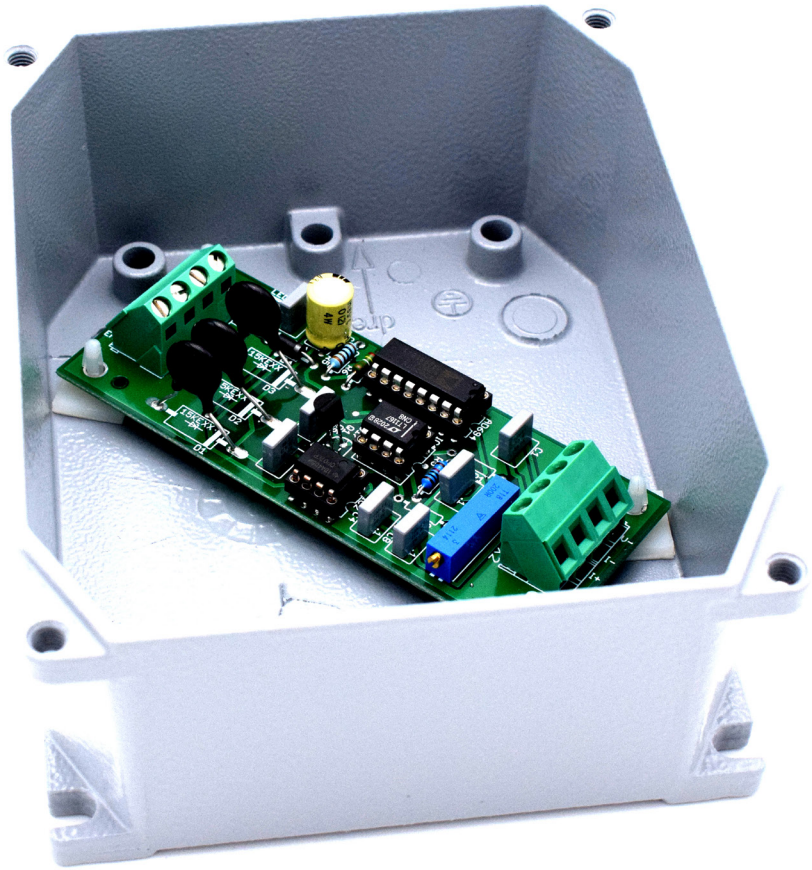

Load cells' 4-20 mA signal converters

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STRUMENTI E MISURE GEOTECNICHE
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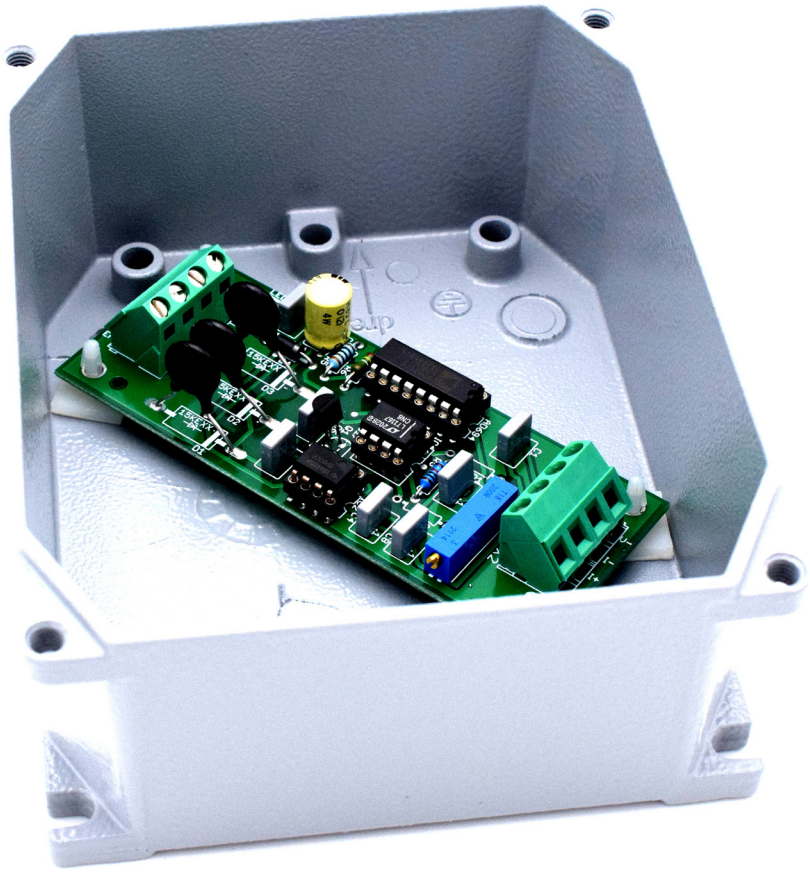

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WARNINGS

This instrument must be utilized only for the application it has been designed for, OTR declines all responsability for any improper use.

Clean the instrument and its cable with alcohol or water, do not use acetone or aggressive liquids for plastics or labels;

Do not put the instrument in flammable liquids or potentially explosive gases.

Do not use the instrument in water where an electric dissipation is in progress.

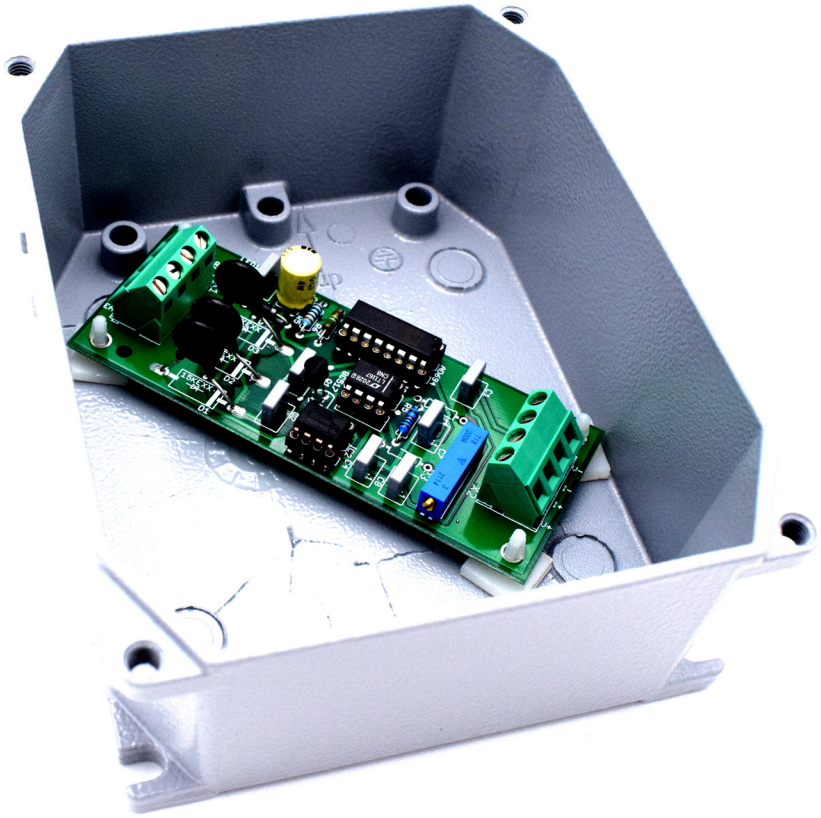
Use protective gloves.

Furthermore

- Do not open the instrument, contact the manufacturer for checks and repairs;
- Keep out of reach of children;
- Do not connect the instrument to the readout unit with wet hands;
- Use surge arresters for installations with unprotected cables longer than 30 meters.

Applications

4-20mA converter is designed to convert potentiometric Load cells' signals in standard 4-20mA signals.



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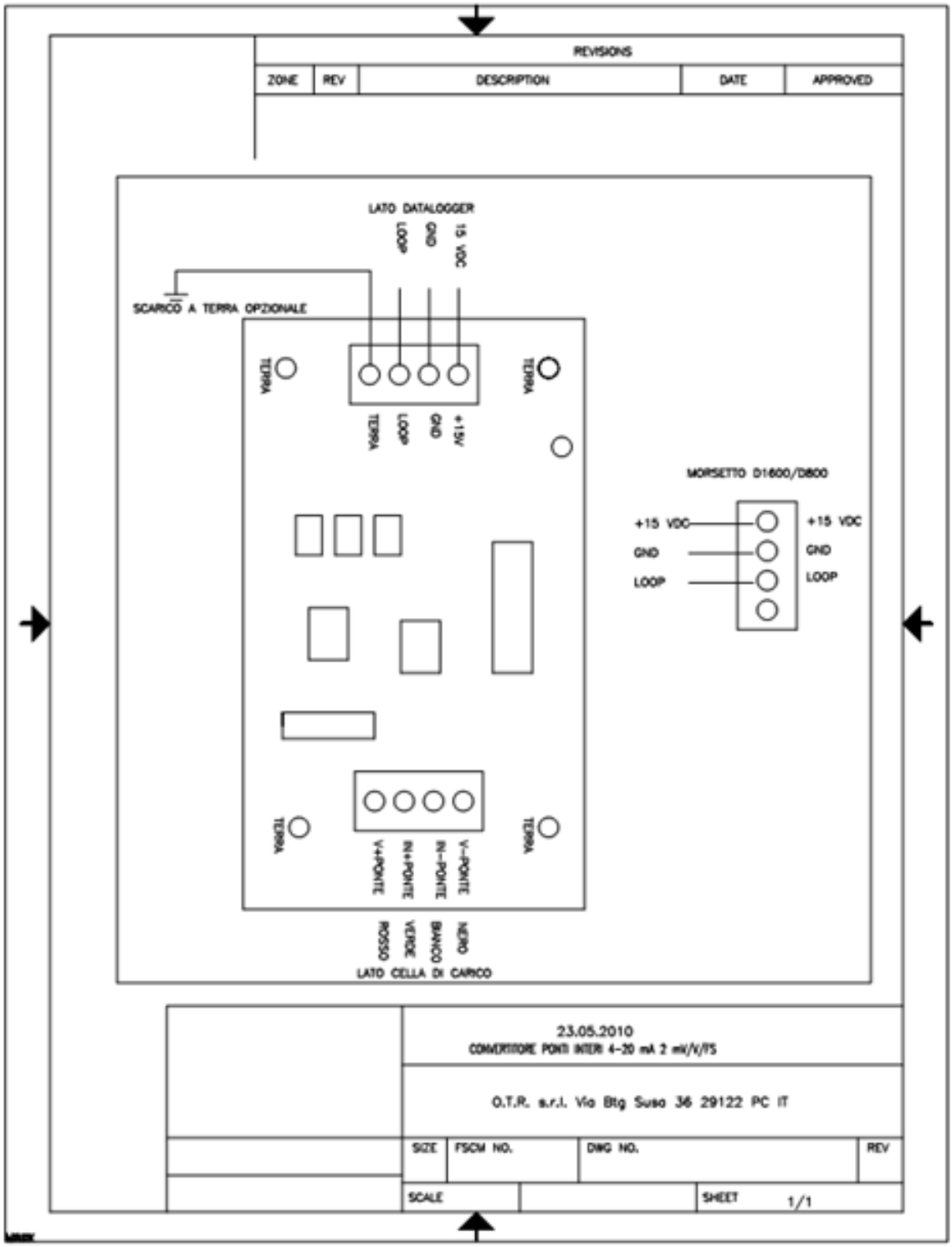
Description



Technical Features

PS	Positive converter power supply
G	Negative power supply converter
L	4-20 mA Loop Return
EA	Land
V+	Positive Power Sensor
I+	Positive sensor output
I-	Negative sensor output
V-	Negative Power Sensor

Calcolation e Formulas

Calculations example:

Readout= Load cell Force(KN) x [Output (mA) -4mA]/16(mA)

Output = 12.540 mA
Load cell Force: 1000 KN 2 mV/V/FS

Readout = 1000 x (12.54 – 4)/16 = 533.75 KN

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