



mV transmitter

2261

- Load cell amplifier
- mV to current / voltage conversion
- Front-programmable / LED display
- Relative calibration of input span
- NPN / PNP input for external taring
- Supply for standard transducers

ERI C€

Advanced features

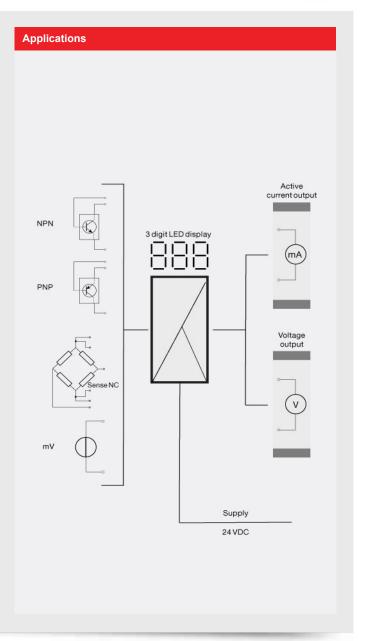
· A multifunction user interface consisting of three pushbuttons and a 3-digit LED display for programming.

Application

- · The 2261 converts bipolar mV signals from transducers supplied directly by the device to standard current / voltage
- · The 2261 is suitable for load cell application as well as other applications such as tank filling and draining, weighing with a taring function, measurement of cable tensile force, level control, signal conversion / amplification etc.

Technical characteristics

- · Front error LED.
- · The analog input can be programmed for voltage in the range -40...100 mVDC.
- The digital signal can be selected as either NPN or PNP.
- Taring can either be by way of the digital input or from the
- · The analog output can be programmed to current in the range 0...20 mA or voltage in the range 0...10 VDC.
- Transducer supply which can be programmed to 5...13 VDC from the front. It is up to the customer to ensure a max. load of 230 mA (e.g. 6 parallel 350 Ω load cells).
- · Sense input (with transducer supply used) for compensation for cable resistance to the transducer.
- · Mounting for a standard 11-pole socket which can be adapted for DIN rail or plate use with PR's 7023 adaptor and 7024 mounting keying.



Туре 2261

Environmental Conditions

Operating temperature......-20°C to +60°C Relative humidity...... < 95% RH (non-cond.) Protection degree......IP50

Mechanical specifications

Common specifications

Response time

Response time (programmable)...... 0.06...999 s Signal / noise ratio..... Min. 60 dB Updating time...... 20 ms Effect of supply voltage change..... < ±0.002% of span / %V Temperature coefficient...... < ±0.01% of span / °C Linearity error..... < 0.1% of span

Input specifications

Common input specifications

Measurement range.....-40...100 mV Min. measurement range (span)...... 10 mV Input resistance..... > 10 M Ω

Overrange...... 0...999% of selected measurement range NPN, digital input...... Pull up 24 VDC / 6.9 mA

Output specifications

Current output

Signal range...... 0...20 mA Load stability..... \leq 0.01% of span / 100 Ω Current limit..... < 23 mA

range

Observed authority requirements EAC...... TR-CU 020/2011