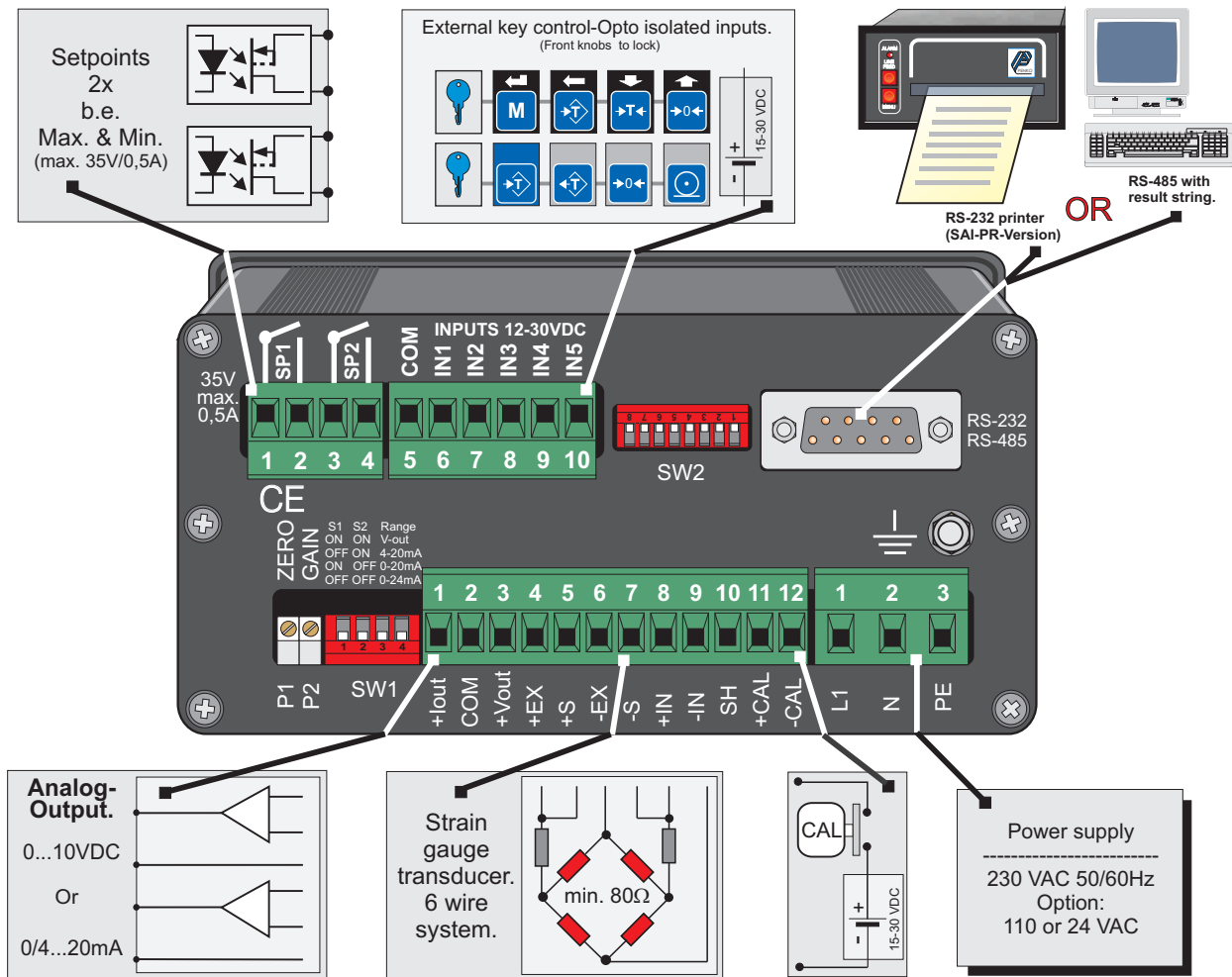


## Digital Weigh Indicator, type SAI-6

- Certificated by Nmi: TC 2636, 4000 division 1d => 1 $\mu$ v.
- Special made for industrial purpose.
- Digital calibration.
- Load cell impedance: minimum 80 Ohm. (Example: 4 load cells 350 ohm)
- 250 Samples per second.
- 2 Solid state level contacts with hysteresis.
- 4 Inputs for remote keys.
- RS232 or RS422 - interface.
- Complete bi-directional control via interface.
- Analog out: 0-10V and 0-20, 0-24 or 4-20 mA (Option).
- Panel mounting (Other types available).

# Product info

# Weigh indicator SAI-6



Easy ASCII protocol allows up to 100 measurements per second over standard 9600 baud RS-232 connection. Simple two character commands allow independent control of display readings and data output. A four point linearization scheme allows for a wide selection of sensors.

## Specifications:

Power supply	230 Vac - 50/60 Hz, +/- 10%, 24Vac or 115 Vac optional.
Wiring	full Wheatstone bridge with sense connections (6 wire system).
Sense system	Active sense system, suitable for safety barriers.
Display	5 digits 0,56" - 14,2 mm. Ultra Bright. + 20 points LED-bar.
Display divisions	Up to 32.000 div.
Display speed	1-10 readings per second.
Excitation voltage	10 V DC.
Load Cell Impedance	minimum load cell impedance 80 $\Omega$ .
Input range	2,2 mV/V +0-22mV. (Verification unit 1 $\mu$ V/part).
Sensitivity	330 nV/ADC division.
Dead load	70% of FS.
Conversion speed	250 samples/second.
Linearity	< 0,0015 % FS.
Resolution	1/65,536 counts. ( 16bit internal )
Temperature effect	on zero $\leq$ 12 ppm/ $^{\circ}$ C.on span $\leq$ 10 ppm/ $^{\circ}$ C.
Temperature range	-10 - + 40 $^{\circ}$ C.
Analog filter	12 dB/octave e.g.40dB/decade 2,5 Hz.
Digital filter	36 dB/octave e.g. 120dB/decade 10Hz
Digital output	Isolated RS 232, or 4-wire RS 422.1200/9600 Baud.
Inputs	5 optical isolated 12-30 V. DC.
Outputs	2 solid state outputs 10-35 Vdc or ac max 0,5A.
Consumption	14 Watt. with 4 loadcells- 350 Ohm.
Dimensions	150 x 78 x 180 (depth 250mm at certified version).
Weight	appr. 1800 g

## Option

Input range	1,5 mV/V or 2,5 mV/V or 3 mV/V	CertificationTC 2636 (for 4000 div).
Analog Out	0-10V or 0-20mA or 4-20mA.	

