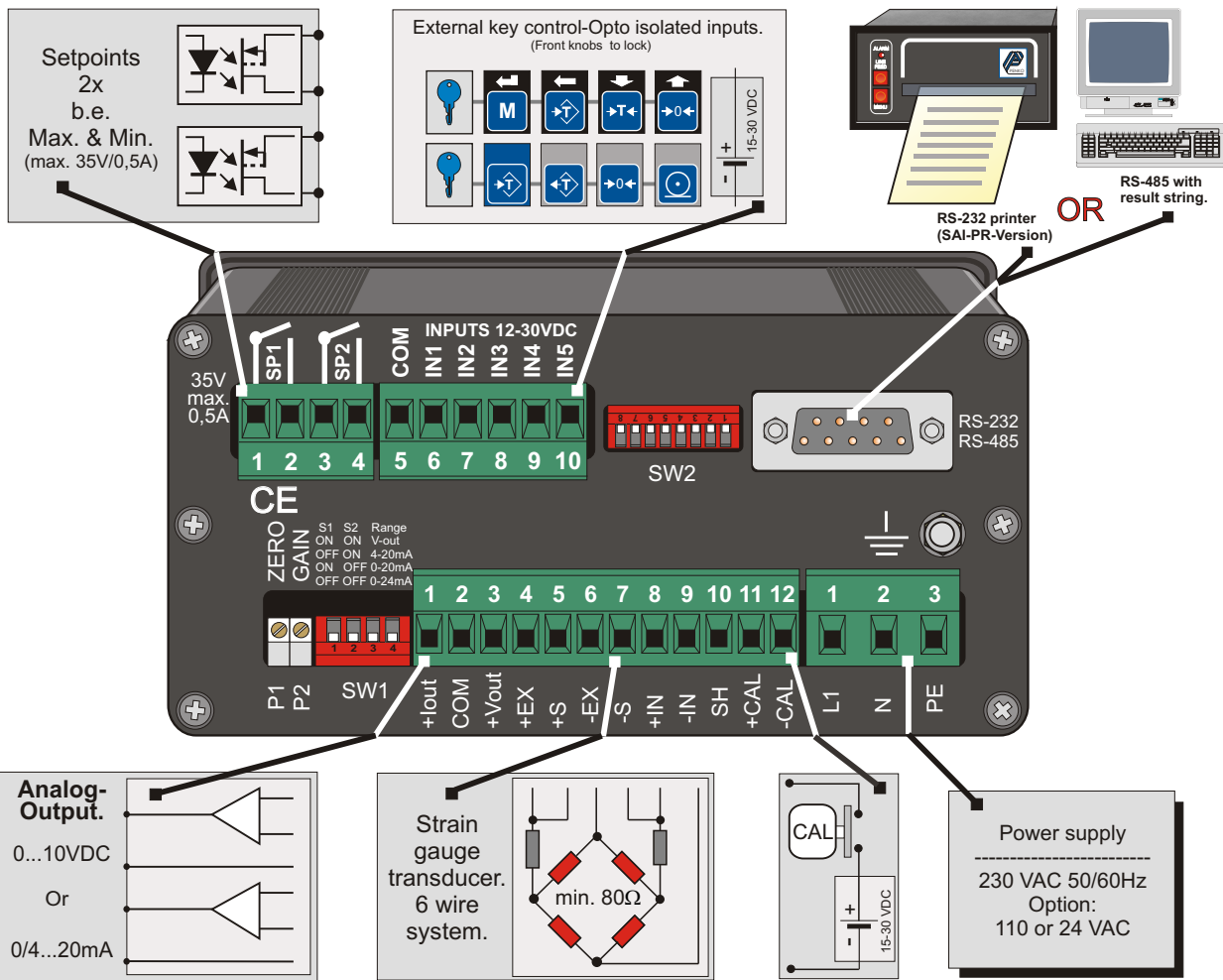


## Digital Weigh Indicator, type SAI-6

- **Certificated by Nmi: TC 2636, 4000 division 1d => 1µV.**
- **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



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 Ω.                              |
| Input range         | 2,2 mV/V +0-22mV. (Verification unit 1 μV/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 ≤ 12 ppm/°C.on span ≤ 10 ppm/°C.                       |
| Temperature range   | -10 - + 40°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   |
| IP class            | front IP65(with seal)  |
| <b>Option</b>       |  |
| Input range         | 1,5 mV/V or 2,5 mV/V or 3 mV/V                                 |
| Analog Out          | 0-10V or 0-20mA or 4-20mA.                                     |

Certification TC 2636 (for 4000 div).

Weigh indicator SAI-6