DIGITAL TRANSMITTER TYPE TAP-D

Applications:

Weighing, batching, classifying, end of line and counting for industrial and civil plants such as:

- Silos and hoppers weighing, ecc.
- Storage platforms
- Plants for mixtures preparation in hopper
- Truck loading from silos
- Direct batching in mixers

Main features:

Analog transmitter for mounting back panel on DIN or Omega bar.
Can be used even with analog/digital conversion card for PLC with output signal in tension and current.

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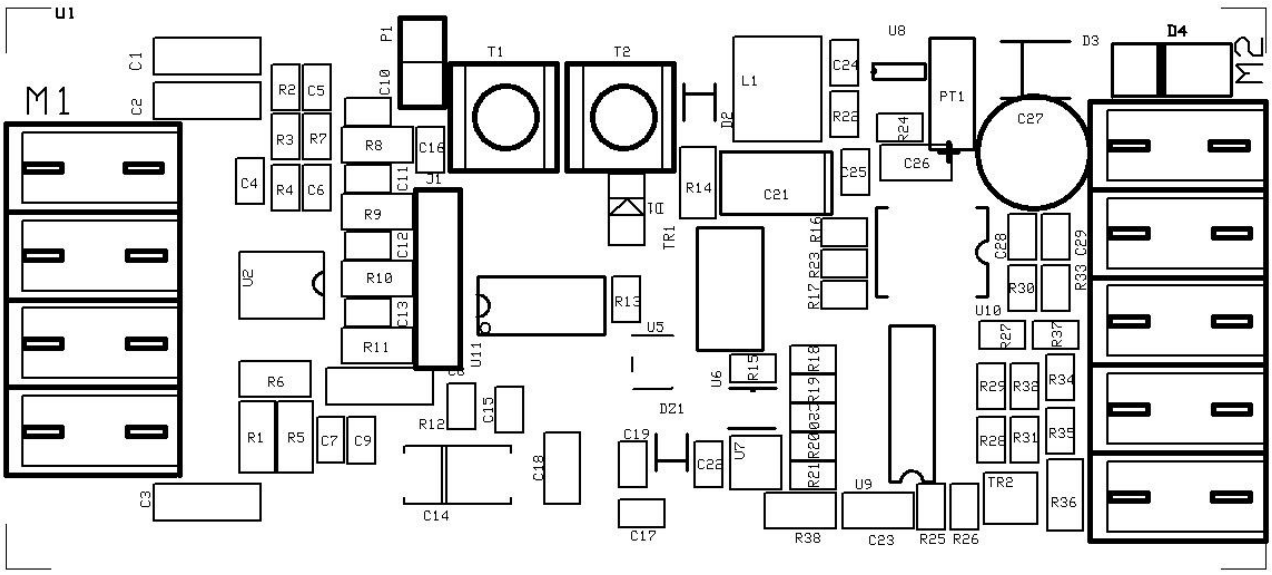
Technical data:

Power supply	24Vdc +/- 10% protected power supply in case of polarity reversal and protection with resettable fuse
Max. absorption	Max. 1,2W
Operating temperature	-10°C +50°C
Storage temperature	-20°C to +60°C
No. of load cells	**Max 4 celle da 350 Ω**
Supply voltage	5Vcc
Linearity	<0,01%FS
Thermal drift	<0,001%FS/°C
Resolution	ADC 24bit
Field of range	+/- 3m V/V
Programmable digital filter	n.10 filter positions, sampling rate 100 Hz
Zero point and full scale calibration	can be made through keys
Analog tension output	**from +/-10V or +/- 5V**
Resolution	DAC 16bit
Calibration	Digital through keys
Impedance	minimal 10K Ohm
Linearity	0,03% f.s.
Thermal drift	0,002% f.s.
Analog current output	**from 0 to 20 mA or from 4 to 20mA**
Resolution	DAC 16 bitDigital through keys
Calibration	Digital through keys
Impedance	Max 250 Ohm – optional 500 Ohm
Linearity	0.03% f.s.
Thermal drift	0,002% f.s.
Signals	1 led to report setting operations
Keyboard	2 keys + jumper for programming
Dimensions	85 mmx35mm h=40mm
Mounting	Rail mounting version or OMEGA bar
Connections	Screw terminal box
Signals	1 led as alert during setting
Keyboard	2 keys + jumper for programming

Links to junction box:

1. Power supply output
2. Voltage output
3. For outputs GND
4. Power supply oV GND
5. Power supply +24 Vcc +/- 10%
6. Signal +
7. Signal –
8. Load cell power supply oV GND
9. Load cell power supply 5Vcc



Hardware:

TAP-D has been realized for the solution of all kinds of problems related to electronic weighing in industrial and civil installations.

The product is provided with a measuring input for load cells and straingages capable of feeding up to 4 load cells in parallel.

The central part of the instrument is formed by:

- 24 bits A/D converter, that guarantees a high resolution and stability of the measure.
- Micro-processor type "risc" with "flash" memory,
- Eeprom memories for the recording of all calibration data.