

PANEL METER - CONDITIONER

MULTI-FUNCTIONS WITH MICROPROCESSOR MOD. AN 201



• MANY FUNCTIONS OF USE • COMPACT • CONVENIENT • EASY TO USE

The multi-functions panel meter-conditioner AN 201 is an instrument with 4 full digits complete with microprocessor including software that, connected to a transducer (to which it is supplying the power) becomes a measuring system.

To this unit can be connected: load cells, pressure transducers and other transducers: not-amplified, amplified, with analog or digital output.

It satisfies to CE mark directives. The constructive technology includes: SMD components and multilayer printed boards.

Are peculiarities of the Model AN 201: the easiness, the compactness, the flexibility of use of the instrument. The User, guided by the instruction manual, will build the functions of the instrument as for his measure demand. Are at his disposal: a list of functions of use, e.g.: weighing, piece-counter, peak indicator, etc.; moreover, inside each function it is available a list of operative modes e.g.: threshold levels, delay times of relays, etc.

The functions of use are explained in the instruction manual and selectable by the front keyboard.

• *Standard and easy settings:*

They are already sufficient for the most common applications on machines and plants:

- Calibration of the instrument and decimal point position (e.g.: weight, pressure, position, etc.).
- Levels.
- Anti-noise filter.
- Display of the measure.

• *Some of the most common functions:*

- Gross value.
- Net value.
- Piece-counter.
- Difference (= error) of the measure between the preset and the actual value.
- Automatic weighing system: when the weight exceeds the upper or the lower limits of the preset range, the relays are activated and the piece rejected.
- Fast peak indication (option): an external contact reset to zero the peak value of the previous measure and the instrument is ready for the next one. After the event the instrument holds frozen the peak value reached. Upper and lower limits can be put in the measure.
- Other functions of use, not listed here, are possible.

TECHNICAL SPECIFICATIONS

- **Digital indicator:** LED with 4 full digits (±9999) and free position of the decimal point.
- **Polarity indication:** without loss of digits.
- **Direct reading:** in mechanical units.
- **Converter A/D:** 16 bit; sampling frequency: 20 Hz.
- **Setting and calibration of the system:** by the front keyboard and a simple menu.
- **Regulations:** of the zero: ±100 % FS; of the span: from 1 to 1000 times.
- **Analog input:**
 - differential (for not-amplified transducers): ± 20 mV; ±40 mV; ±80 mV;
 - referred to ground (for amplified transducers): +2,5 V; + 5 V; +10 V;
 - current: 4÷20 mA; 0÷20 mA.
- **Digital input:** 2 for contacts or TTL signals
(for the remote control of the functions of the instrument).
- **Level limits:** 2 with connected relays. Threshold regulation; ±100% FS.
Relays: contact N/O; Switching power: 30 W max; 240 Vac max.
- **Supply for the external transducer:** 8 Vdc: current 100 mA max.
- **Supply for the instrument:** either direct current:
from 12 to 28 Vdc single polarity, or alternate current: from 9 to 24 Vac.
- **Operating temperature range:** from 0 to 70°C; Rh < 95%.
- **Mark approval:** CE.
- **Overall dimensions:** of the instrument: 36 x 72 x 71 mm as for DIN 43700; panel cutting: 67 x 32 mm.
- **Instruction manual:** with detailed description of the operative functions.

OPTIONS BY SETTLING PRINTED BOARDS INSIDE

- **Serial port:** as for standard RS 232 or RS 485:
for the data exchange with PC by a simple menu of serial communication.
- **Software for Windows configuration.**
- **Fast peak measures.**
- **Analog output:** of the input amplified signals: in voltage (0÷10 V)
or in current, (4÷20 mA; 0÷20 mA).

HOW TO ORDER

- Mod. AN 201-A: with differential input (for not-amplified transducers).
- Mod. AN 201-B: with input referred to ground.

some applications



AN 201 with load cells



AN 201 with pressure transducers



AN 201 with link for force, flexion, torque



AN 201 with magnetostrictive transducers of level and of position

Specifications and prices may change without notice.

Bulletin: AN301100 E



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