

Load cells

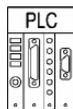
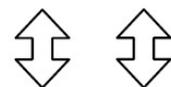


2mV/V



RS232C

RS485



TA5 Flash transmitter makes simple and cheap the remote transmission of the value sampled from strain gauges load cells to PLC, PC, recorders, remote indicator etc...

The possibility of internally performing the parallel of the load cells (max. 4 of 350  $\Omega$  or 8 of 700  $\Omega$ ) simplifies the system wiring because it does not require the use of any junction box.

Ideal to be employed in the modern systems of industrial weighing, control processes, dosing (silos and hoppers), internal and external automation, TA5 is available in two versions: with an hermetic case made of die-cast aluminium (IP65 protection class) or in a plastic case for the mounting on a DIN bar (suitable for control panels).

The digital transmitter TA5 Flash has a maxim resolution of  $-20000 \div +200000$  divisions, is ideal for directly connecting the weighing structure to a remote control station (PC or PLC), the conversion high speed (up to 300Hz) makes it suitable also for application in real-time.

The transmitter is internally controlled by a microcontroller in Flash technology which first processes the data coming from the highprecision AD converter and then manages the serial communication.

The transmitter can work as Slave (it transmits the value only on control station request) or as Master (it transmits the value continuously).

Through the serial output it is possible to set the transmitters parameters such as: the Full Scale, the measurement resolution, the filter, the system tare suppression, the input sensibility from 1mV to 3mV, etc..

The serial output is optoisolated, it can be RS-232C or RS-485 multipoint (it allows the connection in a net up to 32 units at a max distance of 1200m); the passage from a system of communication to the other happens through dip-switch.

Thank to the Flash technology are possible software up-grade or software releases on specific of the customer also after the acquisition.

On request the transmitter can have the following features :Case for a 35mm DIN bar.

### SPECIFICATIONS

Linearity:	$\pm 0.02 \%$
Accuracy:	$\pm 0.02 \%$
Input (standard):	2 mV/V
Excitation:	5 VDC $\pm 4\%$
Working temperature:	0 – 70 °C
Serial output:	RS232C or RS485.
Communication speed:	Max 115200 Baud
Connectable Load cells:	Max 4 pcs (350 $\Omega$ )
Power supply:	11 – 26 VDC (external protection fuse fast 315 mA)
Option:	IP65 Aluminium case 80x125x58 mm (TA5D)