

## Type FT-04 Process Indicator



The FT-04 Process Indicator is a very accurate, versatile, panel mount instrument.

The instrument is approved by Weights & Measures Authorities for use in Accuracy Class III applications with up to 10000 increments (e) according to OIML R 76.

Large 6 digit LED weight display (red, 14 mm) with weight status information minus, net, zero, motion, out of range and error.

Tactile 6 keys keyboard for various functions (sum, zero, tare, print and other function activation keys).

Two set points are available.

### Important Features

- Approved for 10000 increments.
- Single or dual scale interval.
- Internal resolution 550000 counts.
- Serial interface RS232C.
- Set points (2x) available.
- Alibi memory for 10000 records.

### Option

- Second communication port RS485A and Analogue output, current or voltage.

### Accessory

- Front cover IP 65.

## FT-04 Specifications

<b>ACCURACY</b>	
Accuracy Class	III
EU Type approved	10000 increments
<b>DISPLAY AND KEYBOARD</b>	
Display	6 digits, 7 segments, LED red, 14 mm high
Status annunciators	Motion, tare, net, minus sign, zero
Keyboard	6-key membrane, with tactile feedback
Decimal point	Between any digit of the display
Weight display digits	6
<b>A/D CONVERTER</b>	
Type	Sigma-Delta ratiometric with integral analogue and digital filters
Conversion rate	3 to 70 measurements per second
Minimum input per vs <sub>i</sub>	0.4 $\mu$ V per interval legal for trade, 0.1 $\mu$ V per interval non approved
Analogue input range	-0.25 mV/V to 4 mV/V (-1.25 mV to 20 mV)
Resolution	Internal 550000 counts, display 100000 per mV/V input
<b>SCALE CALIBRATION AND FUNCTIONS</b>	
Calibration	Calibration may be performed by application of weights or by the mV/V value of the load cell
Weighing functions	Auto zero maintenance, motion detection, auto-zero at power-up, zero, tare, gross, test
Set Points	2 Set points, transistor output, optoisolated, 24 V DC, 100 mA
Input	24 V, optoisolated.
Alibi memory and RTC	Alibi memory for 10000 records and real time clock.
<b>LINEARITY AND STABILITY</b>	
Linearity	Within 0.002 %
Long term stability	$\leq$ 0.005% of full scale per year
Temperature coefficient	Zero $\leq$ 2 ppm/ $^{\circ}$ C (switched polarity), Span $\leq$ 2 ppm/ $^{\circ}$ C
<b>LOAD CELLS</b>	
Excitation	+5 V DC or +5 V DC switched polarity
Number of load cells	Up to 30 load cells 1100 $\Omega$
Connection	6 wire technique
<b>COMMUNICATION</b>	
Port #1	RS232C, 2400 baud
<b>POWER</b>	
Power requirements	24 V DC
<b>ENVIRONMENT AND ENCLOSURE</b>	
EMC	According to OIML R 76 and EN 45501 requirements
Operating temperature	-10 $^{\circ}$ C to +40 $^{\circ}$ C legal for trade / -20 $^{\circ}$ C to +50 $^{\circ}$ C non approved
Storage temperature	-10 $^{\circ}$ C to +70 $^{\circ}$ C
Humidity	90% RH max, non condensing
Enclosure	Panel mount, protection IP 54
<b>OPTION</b>	
Port #2 and	RS485A half duplex, baudrate 2400 to 57600 Baudrate, data bits, parity and data output are programmable (Continuous output, remote printer, EDP and master-slave protocols)
Analogue output	Current or voltage, resolution 16 bit Full Scale
<b>ACCESSORY</b>	
Front cover IP 65	

## Dimensions

