

Type FT-01 Weight Indicator



The FT-01 Weight Indicator is a very accurate, versatile, general purpose instrument.

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

Large 6 digit LED weight display (red, 20 mm) with weight status information minus, net, zero, motion, out of range and error.

Tactile 8 keys keyboard for various functions (on/off, sum, piece counting, zero, tare, print and other function activation keys).

Two set points are available.

Tilt sense input (inhibits weighing when scale is tilted).

The stainless steel housing offers the ideal solution for industrial applications.

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.
- Piece counting function.
- Set points (2x) available.
- Tilt sense input.

Options

- Analogue output, current or voltage.
- Second scale connection with function Scale 1, Scale 2 or Scale 1+2.
- Second communication port
- Real time clock.

Accessory

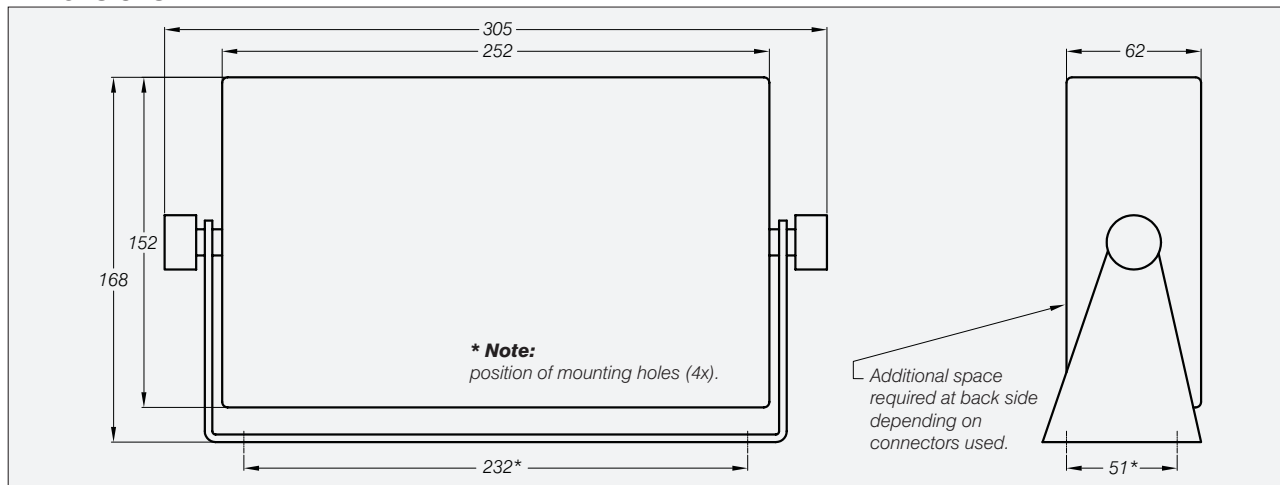
- RS485A to RS232C converter

FT-01 Specifications

ACCURACY	
Accuracy Class	III
EU Type approved	10000 increments
DISPLAY AND KEYBOARD	
Display	6 digits, 7 segments, LED red, 20 mm high
Status annunciators	Motion, tare, net, minus sign, zero, piece counting mode
Keyboard	8-key membrane, with tactile feedback
Decimal point	Between any digit of the display
Weight display digits	6
A/D CONVERTER	
Type	Sigma-Delta ratiometric with integral analogue and digital filters
Conversion rate	3 to 70 measurements per second
Minimum input per vs _i	0.4 μ V per interval legal for trade, 0.1 μ 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
SCALE CALIBRATION AND FUNCTIONS	
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.
Alibi memory	Alibi memory for 10000 records
Set Points	2 Set points, transistor output, optoisolated, 24 V DC, 100 mA
Tilt sense input	Inhibits weighing when scale is tilted
LINEARITY AND STABILITY	
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
LOAD CELLS	
Excitation	+5 V DC or +5 V DC switched polarity
Number of load cells	Up to 30 load cells 1100 Ω .
Connection	6 wire technique
COMMUNICATION	
Port #1	RS232C, 2400 baud
POWER	
Power requirements	85...260 V AC, 50/60 Hz, 10 VA
ENVIRONMENT AND ENCLOSURE	
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	Stainless steel, protection IP 65
OPTIONS	
* Analogue output	Current or voltage, resolution 16 bit Full Scale
* Second scale connection	With function Scale 1, Scale 2 or Scale 1+2
Real time clock	
Second Communication (Port #2)	RS485A or RS232C half duplex, baudrate 2400 to 57600 Baudrate, data bits, parity and data output are programmable (Continuous output, remote printer, EDP and master-slave protocols)
ACCESSORY	
RS485A to RS232C converter	

* **Note:** These options cannot be combined, select either one or the other

Dimensions



E 61
01/02
2/2

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