





The FT-03 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 (e) according to OIML R 76.

Alphanumeric LCD backlight display (13 mm).

Tactile 27 keys including Numeric/Alphanumeric Keyboard for various functions (on/off, sum, piece counting, zero, tare, print and other function activation keys).

Two set points are available.

Additional software for:

- First weight memory,
- Two codes input.

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.
- Alphanumeric keyboard and display.
- Serial interface RS232C.
- Second communication port RS485A.
- Set points (2x) available.
- Alibi memory for 10000 records.
- Real time clock.
- 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.

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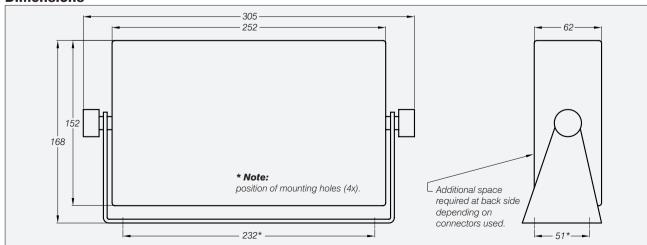


FT-03 Specifications

FT-03 Specifications			
ACCURACY			
Accuracy Class	III		
EU Type approved	10000 increments		
DISPLAY AND KEYBOARD			
Display	Alphanumeric LCD backlight display (13 mm)		
Status annunciators	Motion, tare, net, minus sign, zero, piece counting mode		
Keyboard	Tactile keyboard with 27 keys		
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 vsi	0.4 μV per interval legal for trade, 0.1 μV 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 FUN	, , , , , , , , , , , , , , , , , , , ,		
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 and real time clock		
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	≤ 0.005% of full scale per year		
Temperature coefficient	Zero ≤ 2 ppm/°C (switched polarity), Span ≤ 2 ppm/°C		
LOAD CELLS	The section of the se		
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		
	RS485A half duplex, baudrate 2400 to 57600		
Port #2**	Baudrate, data bits, parity and data output are progammable		
	(Continious output, remote printer, EDP and master-slave protocols)		
POWER			
Power requirements	85260 V AC, 50/60 Hz, 10 VA		
ENVIRONMENT AND ENCLOSU	RE		
EMC	According to OIML R 76 and EN 45501 requirements		
Operating temperature	-10 °C to +40 °C legal for trade / -20 °C to +50 °C non approved		
Storage temperature	−10 °C to +70 °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		
** Option for Port #2	RS232C instead of RS485A		
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^{*} Note: These options cannot be combined, select either one or the other

Dimensions



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