

FT-107 weighing indicator



product description

The FT-107 is a small, general purpose indicator suitable for numerous weighing applications. Its simple and straightforward design makes it an economical choice without sacrificing on component quality. An ideal option for those who do not require the additional functionality of our other, more complex indicator models.

The FT-107 is compact, lightweight and features a long-lasting rechargeable battery, perfect for improved mobility or applications where access to power might be limited.

The indicator is trade-approved by OIML to accuracy class III; suitable for weighing systems used in commercial transactions. It features your typical weighing functions and standard interfaces plus modes for counting, classifying and dynamic animal weighing via a smart algorithm.

A simple and easy-to-use button interface coupled with a clear, backlit screen supporting wide viewing angles means smooth operation regardless of the conditions.

Two versions available:

FT-107

- ABS plastic enclosure
- IP30
- DC power with external AC adapter

FT-107S

- Stainless steel enclosure
- IP65
- AC power via inbuilt transformer

Both versions of the indicator come with mounting equipment as standard. See the product manual for details regarding package contents.



key features

Rechargeable, 2000mAh Li-ion battery, 36h of continuous use

Accuracy class III, 6,000 intervals for trade-approved applications

25mm wide-angle, backlit LCD

Supports up to four load cells at 350Ω or twelve at 1,100Ω

Memory capacity for 100 records

Modes for counting, classifying and dynamic animal weighing

Typical weighing functions & alt units

options

Additional RS-232C port

Alternative power options



specifications

A/D Converter

A/D converter type	24-bit Delta-Sigma ratio metric with integral analog and digital filters
Input sensitivity	0.4 $\mu\text{V/d}$ (approved); 0.1 $\mu\text{V/d}$ (non-approved)
Analog input range	0 mV to +18 mV (unipolar)

Resolution

Display resolution	up to 6.000 increment (approved); up to 30.000 increment (industrial)
Internal resolution	up to 16.000.000

Scale Calibration and Functions

Calibration	Calibration is performed with or without load cell non-linearity correction.
Digital filter	3 steps programmable adaptive digital filter; 4 steps programmable filter at dynamic weighing.
Weighing functions	Taring, zeroing, auto zero tracking, motion detection, auto zero at power up, increased resolution, unit change, temporary gross weight indication.
Application functions	Basic weighing, check weighing, piece counting, animal weighing, totalization.
Memories	100 product memory at check weighing, 100 product memory at piece counting, 100 product quantity memory at piece counting.

Load cells

Excitation	5 VDC max. 100 mA
Number of load cells	Up to 4 load cells 350 Ω or 12 load cells 1100 Ω in parallel
Connection	4- or 6-wire technique. Cable length: maximum 2000 m/mm ² for 6-wire connection

Communication

RS-232	1200 to 38400 baud rate, 8N1
Second RS-232 (optional)	1200 to 38400 baud rate, 8N1

Power Consumption

FT-107	12 VDC (with 100 – 240 VAC / 12 VDC adaptor)
FT-107S	12 VDC or 100 – 240 VAC, 50-60 Hz
Battery	2000mAh Li-ion, up to 36h continuous operation for single load cell / 24h for 4 x load cells

Environment and Enclosure

Operation temperature	-15 °C to +55 °C; 85% RH max, non-condensing
Enclosure	FT-107 ABS plastic, IP30; FT-107S Stainless steel, IP65
Size	220 x 110 x 55

Dimensions and specifications are subject to change without notice.