

FT-150 weighing indicator



product description

FT-150 indicator features a stainless-steel enclosure and a 7" colour LCD touchscreen. It is designed for vehicle weighing as well as labelling & data collection applications. Windows CE provides flexibility and intuitive operation. It is available in two versions; a standard IP30 enclosure or an IP67 enclosure for use in harsh environments.

The instrument is approved by a European Notified Body of Weights and Measures for use in Accuracy Class III applications with up to 10,000 intervals according to OIML R76.

The stored data can be transferred to USB memory as CSV and used for further handling on a PC.

versions

FT-150	IP30 Stainless steel 245 x 190 x 75 mm
FT-150H	IP67 Stainless steel 249 x 238 x 75 mm

applications

Vehicle weighing with labelling and data collection requirements

key features

OIML approval

Compact panel housing

Touch screen

Standard truck software

Labelling software

2xUSB interfaces

RS232 interface

Ethernet TCP/IP interface

Printer Parallel port

Up to 8 load cells (350 Ohm) or 24 load cells (1150Ohm)



RoHS
compliant



specifications

Analogue load cell

A/D converter type	24-bit Delta-Sigma ratio metric with integral analogue and digital filters
Conversion rate	Up to 800 measurement values per second
Input sensitivity	0,4 $\mu\text{V/e}$ approved; 0.05 $\mu\text{V/e}$ non approved.
Analog input range	-5 mV to +19 mV
Internal resolution	up to 16 000 000
Excitation	5 VDC max. 125 mA
Number of load cells	Up to 8 load cells (350 Ω) or 24 load cells (1150 Ω) (min. 43 Ω)
Connection	4- or 6-wire technique. Home cable length: maximum 1000 m/mm ² for 6-wire connection between FT-150 Truck and junction box.

Scale

Accuracy class & EU type approval	OIML class III, single-interval, multi-range, or multi-interval up to 10.000 division
Operating system	WinCE6.0
Display	Active matrix TFT 7" anti-glare, 800x400 pixel, colour LCD Touchscreen
Display resolution	Up to 500 000
Platform	A truck scale platform equipped with the strain gage-based analogue load cells can be connected to FT-150 Truck.
Alibi Memory (Option)	20900 records

Calibration and Functions

Calibration	Full calibration (zero and gain) Linearity Correction Zero adjustment, Gain adjustment eCal electronic calibration without test weights
Digital filter	5 steps programmable adaptive filter
Weighing functions	Taring, zeroing, auto zero tracking, motion detection, auto zero at power up, tare status saving at power off, increased resolution, automatic tare and clear, temporary gross indication, unit change.
Standard Application	Truck scale, basic weighing

Communication

Connectable with		PC, printer, Remote display, EPL printer, RFID / Barcode reader, etc.
Parallel Port		Centronics Parallel Port, DB-25 Connector for printer connection
RS 232	Port	2 x galvanically isolated, 3 wire
	Baud Rate	1200 to 115200 programmable, default 9600
	Data	Length 7 or 8 bits; parity even, odd or none
Ethernet TCP/IP	Transmission rate	10 / 100 Mbit/s, Full duplex
	TCP/IP settings	Manual IP assign over EtherX PC Software or by keys in programming mode
	Connection method	Server or Client
	Installation	Switched Ethernet transmission with shielded twisted pair cables and RJ-45.
	Isolation	Galvanically isolated bus electronics
	Response speed	Max. 4 ms response delay after read/write commands
USB	Connection	Standard USB 1.1
	Response speed	Max. 4 ms response delay after read/write commands

Digital Inputs and Outputs (option)

Digital Inputs	Opto-isolated 4 digital inputs, 12 to 28 VDC, 10mA
Digital Outputs	4 free relay contact, 250 VAC or 30 VDC, 0.2A

Power Consumption

	100 – 240 VAC 50-60 Hz max. 25 mA or 12 – 28 VDC max. 250 mA
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Environment and Enclosure

Operation temp. range	Approved scales -15 °C to +55 °C Industrial usage -10 °C to +40 °C
Humidity	Approved scales 80% RH max, non-condensing Industrial usage 90% RH max, non-condensing
Enclosure	Stainless steel
Protection	IP30 for FT-150 Truck, IP67 for FT-150H Truck
Sizes (W x H x D)	FT-150 Truck : 245 x 190 x 75 mm FT-150H Truck : 249 x 238 x 75 mm

Dimensions and specifications are subject to change without notice.