

Type FT-15 / FT-15D Weight Indicator



Product Description

The FT-15 Weight Indicator is a very accurate instrument, especially equipped for vehicle scale applications, available as desk type instrument or with stainless steel enclosure and IP65 protection class.

The instrument is approved by Weights & Measures Authorities for use in Accuracy Class III applications with up to 10 000 intervals according to OIML R76.

Tactile 18-key keyboard for basic scale functions, vehicle scale application programme and numeric data entry.

Large 6 digit LED weight display (red 20 mm) with weight status information.

Optional alibi memory for integrated applications with standard PC.

Suitable for stand-alone operation.

Available Accessories

- Wall mounting kit and stand mounting kit for desk type housing
- Stand mounting kit for stainless steel housing
- Setup software running under MS Windows

Key Features

- EU Type approved for 10 000 intervals
- Single or dual range
- High internal resolution, display up to 60 000 counts
- Approved sensitivity 0.4 $\mu\text{V/e}$ (FT-15 only)
- Function mode for vehicle scales with 1st and 2nd weighing, calculated net, numeric code entry, date/time and printer control
- Alibi Memory (up to 9 583 records)
- Serial Interface RS232C
- Conversion rate max. 100/s (FT-15 only)
- Integrated power supply
- FT-15D for connection to digital RC3D load cells

Options

- Additional serial interface (RS232C or RS485) for remote display
- Ethernet TCP/IP
- Traffic light control for the vehicle scale (requires Digital I/O option)

Specifications				
	FT-15 Weight Indicator		FT-15D Digital Weight Indicator	
ACCURACY				
Accuracy Class	III			
EU Type approved	10 000 intervals (single range) or 2 x 6 000 intervals (dual range)			
DISPLAY AND KEYBOARD				
Display	6 digits, 7 segments, LED red, 20 mm high			
Update rate	250 ms			
Status annunciators	Gross, net, motion, zero, weighing range, information, power, unit, programme state			
Keyboard	18-key membrane, with tactile feedback			
On / off switch	Yes			
Key lock	Basic weighing related key can be locked against unauthorized access			
A/D CONVERTER				
Type	24 bit Delta-Sigma ratiometric with integral analog and digital filters	-		
Conversion rate	Maximum 100 measurement values per second	-		
Minimum input per vs _i	0.4 µV per interval legal for trade; 0.1 µV per interval non approved	-		
Analogue input range	0 mV to 20 mV	-		
Resolution	Internal up to 8 million counts; display up to 60 000	display up to 60 000 counts		
SCALE CALIBRATION AND FUNCTIONS				
Calibration	Calibration is performed by application weights			
Corner adjustment	Only externally	Automatic corner adjustment		
Digital filter	5 step adjustable digital adaptive filter			
Application modes	Basic weighing, vehicle scale application			
Weighing Functions	Zero, auto zero tracking, motion detection, auto-zero at power-up			
Other functions	Traffic light control (needs digital I/O option)			
Alibi memory	Last 9 583 records			
LINEARITY AND STABILITY				
for standard load cells				
Linearity & temperature coefficient	Within 0.0015 % FS; ≤ 2 ppm/°C		-	
LOAD CELLS				
for standard load cells				
for digital load cells				
Communication & protocol	-	RS-485 half-duplex, compatible with RC3D load cell		
Excitation	5 V DC at 58...1 200 Ω, max. 100 mA		12 V DC, max. 450 mA	
Number of load cells	Up to 6 load cells (350 Ω) or 18 load cells (1 100 Ω) in parallel		Up to 10 digital load cells (internal power) or 16 digital load cells (external power) in parallel	
Connection	4 or 6 wire technique, cable length is 274 m/mm ² for 6 wire connection		4 wire technique, 2 wires for digital interface and 2 wires for power supply	
COMMUNICATION				
Serial interface	RS 232C; 1 200...57 600 baud; programmable			
Continuous mode update rate	100 ms			
Option board update rate	40 ms			
ENVIRONMENT AND ENCLOSURE				
Operation temperature	-10 °C to +40 °C legal for trade; 85% RH max, non-condensing			
Housing	Aluminium cast desk type (IP30) or stainless steel housing (IP 65)			
Dimensions	See data sheet E159			
	Desk type	Stainless steel	Desk type	Stainless steel
POWER SUPPLY				
230 V AC, 50/60 Hz, max. 12 VA	•	•	•	•
OPTION FOR ADDITIONAL INPUTS / OUTPUTS (maximum is one option per instrument, for additional options please contact FLINTEC)				
Additional serial interface (RS232)	0	0	-	0
Additional serial interface (RS485)	0	0	-	0
Ethernet TCP/IP	0	0	-	0
3x isolated digital inputs (24 V) and 3x isolated digital outputs (open collector)	0	0	-	0
ADDITIONAL MECHANICAL HARDWARE				
Wall mount kit	0	•	0	•
Stand mount kit	0	0	0	0
	• standard version	0 optionally available	- not available	