



**AUSTRALIA'S LARGEST
WEIGHBRIDGE MANUFACTURER!**

ultrahawke

UltraHawke Pty Ltd
ACN 004 659 358



FT-12 Special Applications Digital Indicator for Analogue Loadcells

by
FLINTEC



DESCRIPTION

The FT-12 Weight Indicator is a very accurate, versatile, general purpose instrument, available in different housings, meeting the industry's demand for various environmental conditions.

The instrument is approved by NMI for trade use in Accuracy Class III applications with up to 10,000 intervals.

A large 6-digit red LED weight display (20mm high for the panel mount and stainless steel versions, 14mm high for the panel mount version) displays the weight status information. A tactile 18-key keyboard allows for basic scale functions, specific functions and numeric data entry.

With a variety of interface options the FT-12 is the perfect fit to weighing systems and process control systems.

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

- NMI Approval for 10,000 Intervals
- Single or Dual Range
- High Internal Resolution, Display up to 60,000 Counts
- Approved Sensitivity 0.4µV/Division
- Application Programs for Weighing, Basic Filling, Check Weighing, Dynamic Weighing (e.g. Animal Weighing) and Peak Hold
- Serial Interface RS-232C
- Conversion Rate Maximum 100 Times/Second
- Integrated Power Supply

OPTIONS

- Alibi Memory (Up to 149,760 Records)
- Second Serial Interface RS-232C
- Third Serial Interface RS-485 and Modbus RTU
- Ethernet TCP/IP and Modbus TCP
- Isolated Digital Inputs and Outputs
- Analogue Output 0-10V, 4-20mA
- Rechargeable Battery

SPECIFICATIONS

PERFORMANCE	
Display	6-Digit, 7-Segment, Red LED, 20mm High (Panel Mount 14mm High)
Status Annunciators	Gross, Net, Motion, Zero, Weighing Range, Information, Power, Unit
Display Resolution	10,000 Intervals (Single Range) or 2 x 6,000 Intervals (Dual Range)
Keyboard	18-Key Membrane, with Tactile Feedback
DIGITAL	
Setup and Calibration	Calibration is Performed Electronically or by Application of Test Masses
Digital Filter	10-Step Adjustable Digital Adaptive Filter
Weighing Functions	Tare, Zero, Auto Zero Tracking, Motion Detection, Auto-Zero at Power-Up
Other Functions	Date and Time, Label Number, Total Indication, Temporarily Switching Between Net and Gross, 2 x ID Code, Alpha-Numeric ID Table Can be Downloaded, EPL Bar Code Format Label Printing
Setpoints	3-Setpoints, Programmable (Needs Digital I/O Option)
Tilting	Inhibits Weighing When Scale is Tilted (Needs Digital I/O Option)
Memory	Up to 99 IDs (Alpha-Numeric), Up to 99 Preset Tare and 9 Setpoint Groups (3 Setpoints per Group) Can be Stored
Alibi Memory	Optionally Available, 74,880 Records or 149,760 Records
A/D CONVERTOR	
Type	24 Bit, Delta-Sigma Ratiometric with Integral Analog and Digital Filters
Conversion Rate	100 Times per Second
Minimum Input VSI	0.4µV/Division for Trade Use, 0.1µV/Division for Non-Trade Use
Analogue Input Range	0mV to 20mV
Resolution	Internal up to 8,000,000 Counts; Display up to 60,000 Counts
Linearity	Within 0.0015 % of Full Scale
Temperature Coefficient	<2ppm/°C
LOADCELLS	
Excitation	5VDC Maximum, 100mA, Up to 6-Loadcells @ 350Ω
Loadcell Connection	4 or 6 Wire Connection, Cable Length 274m/mm ² for 6 Wire Connection
SERIAL COMMS	
Serial Outputs	RS-232C, 1,200 to 57,600 Baud, Programmable
Continuous Mode Update Rate	100ms
Option Board Update Rate	40ms
ENVIRONMENT	
Operating Temperature	-10°C to +40°C for Trade Use, 85% RH Maximum, Non-Condensing
Enclosure	Aluminium Cast Desk Type (IP-30), Panel Type (Front Panel IP-65) or Stainless Steel Housing (IP-65)

	PANEL MOUNT			DESK MOUNT			STAINLESS STEEL		
	240VAC	12VDC	24VDC	240VAC	12VDC	24VDC	240VAC	12VDC	24VDC

POWER SUPPLY									
230VAC, 50/60Hz, Max. 12VA	✓			✓			✓		
12VDC, Max. 12VA		+			+			+	
24VDC, Max. 12VA			+			+			+
Rechargeable Battery	×	×	×	+	×	×	+	×	×
OPTION FOR ADDITIONAL INPUTS/OUTPUTS (Maximum of One Option per Instrument)									
Second Serial Interface (RS-232), Max. 57,600 Baud	+	+	+	+ ¹	+	+	+ ¹	+	+
Second Serial Interface (RS-232) and Third Serial Interface (RS-232/485/Modbus RTU)	+	+	+	+ ¹	+	+	+ ¹	+	+
Ethernet TCP/IP and Modbus TCP	+	+	+	+ ¹	+	+	+ ¹	+	+
Analogue Output: 4-20mA/0-10V	+	×	+	+ ¹	×	+	+ ¹	×	+
3 x Isolated Digital Inputs (24V) and 3 x Isolated Digital Outputs (Open Collector)	+	+	+	+ ¹	+	+	+ ¹	+	+
ADDITIONAL MECHANICAL HARDWARE									
Wall Mount Kit		×			+			✓	
Stand Mount Kit		×			+			+	

✓ Available as Standard + Available as Option × Not Available ¹ Not available if instrument is equipped with rechargeable battery.



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