# Type FT-16/-16D Weighing Terminal





### **Product Description**

The FT-16 Weighing Terminal is a very accurate instrument, especially designed for use in weighbridge applications and weighing systems with label printer where a PC is not needed, but a certain amount of data handling and easy operation is required.

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

The actual weight is displayed on the Monitor and also on the basic terminal housing with a large 6 digit LED weight display (red 20 mm) with weight status information. The basic terminal is also equppied with 6 tactile keys for scale and specific functions.

Standard PC keyboard, Monitor and clear software structure allow an easy operation.

#### **Key Features**

- EU Type approved for 10 000 intervals
- Single or dual range
- High internal resolution, display up to 60 000 counts
- Sensitivity 0.4 µV/e approved (FT-16 only)
- Alibi memory (up to 74 880 records)
- Software for weighbridge and label printing applications
- Serial Interface RS232C
- Parallel printer interface
- Integrated power supply
- Standard Monitor and PC keyboard
- FT-16D for connection to digital RC3D load cells

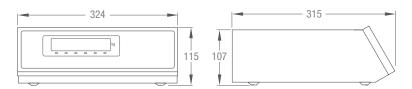
## **Options**

- Alibi memory (up to 149760 records)
- Ethernet TCP/IP
- Interface for remote display
- RS485 interface and Modbus RTU

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Specifications			
	FT-16 Weighting Terminal	FT-16D Digital Weighting Terminal	
ACCURACY			
Accuracy Class			
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		
Status annunciators	Gross, net, motion, zero, weighing ranges, information, unit		
Keypad	6-key membrane, with tactile feedback		
Decimal point	Between any digit of the display		
TERMINAL FEATURES			
PC board	PC/104 form factor, single board computer with static flash disk		
Record capacity	More than 30 000 weighing records		
Application software	Truck scale software or labelling software		
A/D CONVERTER			
	24 bit Delta-Sigma ratiometric		
Туре	with integral analog and digital filters	-	
Conversion rate	Maximum 100 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 mV to 20 mV	-	
Resolution	Internal up to 8 million counts; display up to 60 000 counts	display up to 60 000 counts	
SCALE CALIBRATION AND FUNCTION	NS		
Calibration	Calibration is performed by application weights.		
Corner adjustment	Only externally	Automatic corner adjustment	
Digital filter	10 step adjustable digital adaptive filter	5 step adjustable digital adaptive filter	
Weighing Functions	Tare, zero, auto zero tracking, motion detection, auto-zero at power-up		
Alibi memory	74 880 records, 149 760 records optionally available		
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, max. 100 mA	12 V DC, max. 450 mA	
Number of load cells	Up to 6 load cells (350 $\Omega$ ) or	Up to 10 digital load cells (internal power) or	
	18 load cells (1 100 $\Omega$ ) in parallel	16 digital load cells (external power) in parallel	
Connection	4 or 6 wire technique,	4 wire technique, 2 wires for digital interface and 2	
	cable length 274 m/mm <sup>2</sup> for 6 wire connection	wires for power supply	
COMMUNICATION			
Serial interface	RS 232C for second scale connection, data transfer or serial printer connection		
Parallel port	Parallel data interface for printer connection		
POWER SUPPLY			
Power requirements	230 V AC, 50/60 Hz, max. 12 VA		
ENVIRONMENT AND ENCLOSURE			
Operation temperature	-10 °C to +40 °C legal for trade; 85% RH max, non-condensing.		
Housing	Desk type stainless steel front panel and cover (IP 30)		
-	OUTPUTS (maximum is one option per instrument)		
2 <sup>nd</sup> Serial interface	RS232C for remote display		
2 <sup>nd</sup> and 3 <sup>rd</sup> Serial interface	Interface 2 is RS232C. Interface 3 is RS232C or RS 485. RS485 can be used for RTU Modbus.		
Ethernet TCP/IP	Data transfer via Ethernet interface.		
ACCESSORIES			
	PC compatible keyboard for application software operation		
Keyboard	PC compatible weyboard for application software operation		
Monitor	ר טייטווויאמוווופ וווטווונטו		

## Dimensions (in mm)



E155-Rev1-GB-2(2) Dimensions and specifications are subject to change without notice. SUNSTAR自动化 http://www.sensor-ic.com/ TEL: 0755-83376489 FAX:0755-83376182 E-MAIL:szss200163.com