



IND560

Industrial Weighing Terminal

Specifications

Dimensions	Enclosure	Height	Width	Depth	Shipping Wt.
	Panel-Mount	265 mm (10.4 in)	160 mm (6.3 in)	91.8 mm (3.6 in)	3.5 kg (8 lb)
	HE Desk/Wall/Column-Mount	265 mm (10.4 in)	160 mm (6.3 in)	170.3 mm (6.7 in)	3.5 kg (8 lb)
Enclosure Construction / Environmental Protection	<ul style="list-style-type: none"> Panel-mount: stainless steel front panel, certified TYPE 4/12 (ref. IP65) (Pending) Harsh Environment: stainless steel, IP69K certified (Pending) 				
Power	Universal power supply, 87 to 264 VAC at 49 to 61 Hz, 600 mA consumption				
Display	Vacuum florescent, 21 mm weight display, graphical 128 x 64 dot				
Keypad	5 user selectable soft keys; Clear, Tare, Print, Zero, navigation keyset; numeric keys				
Scale Types	<ul style="list-style-type: none"> Analog Scale: 10 VDC excitation powers up to 8 350Ω load cells, 2 or 3 mV/V IDNet Scale: interface current high precision K bases and platforms. Optional power supply KOP for earlier models. 				
Performance	Maximum update rates: Analog to digital 366 Hz; target comparison (setpoint) 50 Hz; PLC interface 20 Hz				
Display Resolution	100,000 divisions				
Connectivity	Standard single port, COM1: RS-232 / RS-422 / RS-485; optional 10Base-T Ethernet TCP/IP port with two additional serial ports, COM2: RS-232; COM3: RS-232 / RS-422 / RS-485				
Serial Interface Protocols	<ul style="list-style-type: none"> Inputs: ASCII commands for Clear, Tare, Print, Zero; barcode; SICS level 0 Outputs: METTLER TOLEDO Continuous or Demand; continuous template using 1 of 5 configurable templates; report printing; interfaces external ARM100 Input/Output module and DeviceNet Bridge (DNB), SICS level 0 				
Interface Options	<ul style="list-style-type: none"> PLC (one option per terminal): Allen-Bradley® Remote I/O; Profibus® L2 DP; Analog Output: 4-20 mA and 0-10 VDC; external DeviceNet™ Bridge Discrete I/O: Local: 4 inputs, external sink 5-30 VDC, internal sink 5 VDC; 6 outputs @ 30 VDC/250 VAC, 1 A max Remote: using ARM100 I/O module, 4 in/ 6 out @ 250 VAC, 1A max.; Total I/O of 12 in/18 out 				
Calibration Selections	Separate single-step zero and span; 5-step (linearized), CalFREE™ (no test weights required), programmable test calibration sequence (up to 20 steps); configurable calibration expiration alerts				
Operating Environment	-10°C to +40° C (14°F to 104°F), 10% to 95% relative humidity, non-condensing				
Agency Approvals	Weights and Measures	USA: Class II 100,000d; Class III/IIIL 10,000d; CoC 05-057			
		Canada: Class II 100,000d; Class III/III HD 10,000d (Pending)			
		Europe: Class II, III, IIIL 100,000d; includes alibi memory			
	Safety	Panel: UL Recognized Component IND CONT. EQ. 202B; Harsh: cULus I.T.E. 202B; CE			
Hazardous Area	USA: Class I, Div 2, Groups A-D, F, G when installed per drawing (Pending)				
	Europe: Category 3 when installed per drawing (Pending)				

Features	Benefits
Enclosure Alternatives	<ul style="list-style-type: none"> Harsh Environment: no exposed door fasteners to minimize cleaning time; sealing to IP69K, ideal for heavy washdown when using pressurized cleaning solutions Panel-Mount: flush front panel reduces potential contamination points; sealed to TYPE 4/12 (IP65)
Ease of Navigation	Configure setup with menu driven, "Windows-like" navigation
Security	Supports the use of username with a password for setup security of four levels
Material Transfer Mode	<ul style="list-style-type: none"> Target comparison outputs for single or two-speed feeder control Graphic display provides analog bar graph showing target status with and without weight value
Over / Under Mode	<ul style="list-style-type: none"> Graphic display indicates Under, OK and Over status with and without weight value Multiple methods of target and tolerance entry including barcode scanner, front keypad
Memory Tables	<ul style="list-style-type: none"> Target table stores up to 25 targets, each with tolerances and spill (preact) values Tare table stores up to 25 fixed tare values, each with accumulation
Programmable Softkeys	Softkey one-keypress access to target/tare tables, start, pause - eliminates operator confusion and errors
PLC Connectivity	Optional PLC interfaces for A-B RIO, Profibus L2 DP or Analog Output installed inside the enclosure
Multiple Serial Protocols	Easy connection to remote displays, PLCs, DCS, and METTLER TOLEDO accessory modules
TraxEMT™ Maintenance Functions	Embedded Maintenance Technician automatically logs zero commands and failures, overloads, load cell output, calibration values and checking, diagnostic tests and statistics for ISO compliance
InSite™ PC Configuration Program	Easily update firmware, download setup and tables, configure print templates, interface weighing terminal
TraxDSP™ Filtering	Tunable digital filtering suppresses environmental effects on weighing accuracy
Global Approvals	Provides acceptance in local markets

Specifications subject to change without notice

©2005 Mettler-Toledo, Inc.

METTLER TOLEDO is a registered trademark of Mettler-Toledo, Inc.
All other product names are trademarks of their respective companies

Contact your local METTLER TOLEDO® sales office or authorized distributor for additional information.

INDB0004.0E