METTLER TOLEDO

IND560

Industrial Weighing Terminal

Specifications

Dimensions	Enclosure	Height	Width	Depth	Shipping Weight
	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	• Panel-mount: stainless steel front panel, certified TYPE 4x/12 (ref. IP65) • Harsh Environment: stainless steel, IP69K certified
Power	Universal power supply, 87 to 264 VAC at 49 to 61 Hz , 600 mA consumption
Display	Vacuum florescent, 21mm weight display, graphical 128 x 64 dot
Keypad	5 user selectable soft keys; Clear, Tare, Print, Zero, and navigation keyset; numeric keys
Scale Types	• 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 (setpoint) comparison 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	• Inputs: ASCII commands for Clear, Tare, Print, Zero; barcode; SICS levels 0 and 1 • Outputs: METTLER TOLEDO Continuous or Demand; continuous template using 1 of 5 configurable templates; report printing; interfaces external ARM100 input/output module, SICS levels 0 and 1
Interface Options	• PLC (select one): Allen-Bradley® Remote I/O; Profibus® L2 DP; DeviceNet™; Analog Output: 4-20 mA and 0-10 VDC • 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 05-057A2
		Canada: Class II 100,000d; Class III/III HD 10,000d; AM-5593
		Europe: Class II / III 7500e. Includes alibi memory; TC6812
	Safety	Panel: UL Recognized Component IND CONT. EQ. 202B; Harsh: cULus I.T.E. 202B; CE

Features	Benefits
Enclosure Alternatives	• 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 4x/12 (IP65)
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
TraxDSP™ Filtering	Tunable digital filtering suppresses environmental effects on weighing accuracy
Ease of Navigation	Configure setup with menu driven, "Windows-like" navigation
E-mail Alerts	Enhance service programs. The IND560 can be configured to send email alerts when it encounters a calibration change or failure that might indicate a hardware problem, or when calibration expires.
InSite™ PC Configuration Program	Easily update firmware, download setup and tables, configure print templates, interface weighing terminal
Security	Supports the use of username with a password for setup security of four levels
Programmable Softkeys	15 possible softkeys provide one-keypress access to functions - eliminating operator confusion and errors
PLC Connectivity	Internally installed, optional PLC interfaces for A-B RIO, Profibus L2 DP, DeviceNet or Analog Output
Material Transfer Mode	• 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	• 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	• 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
Rate	Display weight vs. time data in the terminal display or use as a source for Comparators or Analog Output.
Comparators	5 simple targets with programmable outputs. 2 modes of operation: coincidence or range. Select rate, displayed weight or gross weight for source.
Programmable Operator Prompts	Expanded ID fields function support facility SOPs, enhance training; overall improving process quality.
Application Software Modules	Add additional features where needed. Select Fill-560 for enhanced filling and dosing.

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

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