

Weighing Terminals



IND560

Weigh

Control

Comply

Connect

Versatile Technology

For Focused Weighing Solutions

METTLER TOLEDO

Increase Productivity Across Your Applications

- Weigh from milligrams to tons
- Control manual, semi-automatic and automatic processes
- Comply with industry regulations and global approvals
- Connect your system to PLCs, LANs, WANs, and the Internet

The IND560 represents the latest in METTLER TOLEDO technology and is the most versatile weighing terminal available today. Choose from conventional strain gauge or high precision electromagnetic force restoration weighing technologies. Specify direct PLC or PC communication interfaces, or digital I/O control. Combine these selections with the option of panel or desk/wall/column-mounting, and the IND560 is the perfect match for most any weighing application in many industries.

- Basic Weighing
- General Process Weighing
- Filling and Blending
- Formulation
- Over/Under Checkweighing

Weigh

Enhance your measurement or control applications with an ultra

fast A/D conversion rate of 366 Hz, TraxDSP™ digital filtering technology, and an I/O bus update rate of 50 Hz. The IND560 delivers precise repeatable measurement data from milligrams to tons in a single cost effective package that easily integrates into existing systems.

Control

The versatile IND560 excels in controlling filling and dosing applications delivering best-in-class performance for fast, precise, accurate results in manual, semi-automatic, or fully automatic operations.

For more advanced filling, the Fill-560 Application Software adds additional sequences and component inputs. Without complex and costly programming, quickly configure standard filling sequences or create custom filling and blending



applications for up to four components that cue operators for action and reduce errors.

Comply

The IND560 is designed specifically for industries subject to regulatory controls, such as pharmaceutical, chemical, food and beverage, and has been confirmed by multiple global agency standards including UL, CE, NTEP and OIML.

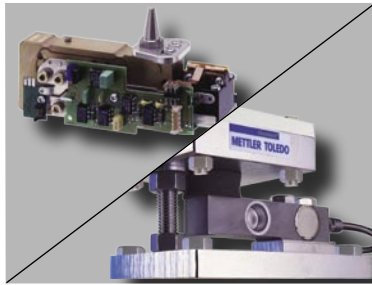
Connect

The IND560 offers multiple connectivity options to improve your applications. Direct PLC connectivity is available using 4-20mA Analog Output, Allen-Bradley RIO, Profibus L2 DP or DeviceNet* protocols. Interfaces are also available for serial data via RS-232/422/485 and Ethernet TCP/IP networking.

*When used with the METTLER TOLEDO DeviceNet Bridge Module.

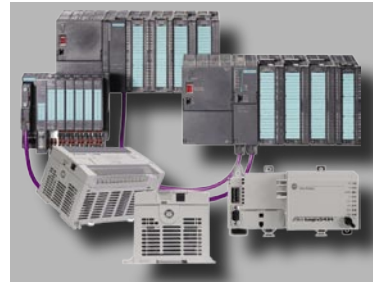
Flexible Features For Focused Solutions

Common Platform Regardless of Sensor Technology



Select an analog scale interface for use with an analog base or weigh module system for the fastest system performance, or match with an appropriate METTLER TOLEDO K-Line High Precision Scale Base for the highest possible weighing resolution (to 0.1 g or 0.0002 lb).

Interface to New or Existing Control Systems



Technologies are quickly advancing, outdating many common protocols. The IND560 provides interface options for either the latest in communications technology or to integrate with legacy systems. Take advantage of the IND560 features today on your existing network, then add an option card later to communicate on your new network.

Large Graphic Display Provides Visual Cues for Operators



The 47mm (1.9") vacuum fluorescent display uses bright 21mm (0.8") characters for weight indication. Programmable softkeys define single button operations for faster product throughput and consistent product quality.

Enable the SmartTrac™ graphical display mode for manual operations to clearly indicate status of the current weight in relation to the target value, reducing operator error.

Solutions for the Harshest Environments



To tolerate the environments of the pharmaceutical and chemical industries, the integrity of the IND560 is assured via Type 4/12 (Panel) and IP69K (Harsh) protection categories.

The needs of the food and beverage industries can also be met. The unit's 304 stainless steel construction and polished, sanitary finish resist aggressive cleaning agents, high pressure, and temperature cleaning requirements dictated by EHEDG and NSF guidelines.

Maintain Uptime and Ensure System Quality



- TraxEMT™, the Embedded Maintenance Technician, sets the IND560 apart. Monitor and analyze system performance, enabling action before a failure occurs.
- Advanced calibration options allow for the most cost effective operation. Use the automated 5-Point or Step Calibration routines for the highest accuracy, or

exclusive CalFREE™ technology to get up and running without test weights.

- The InSite™ Configuration Tool provides connected or offline access to the IND560 terminal for efficient and repeatable setup. Quickly and accurately upload or download system parameters via a serial or Ethernet connection.
- MinWeigh functionality helps insure the weighing of your critical ingredients are always within acceptable limits by displaying a warning when the weight is below the minimum weight threshold.

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