IND890 Applications

IND890com

Remote communication

Control peripheral devices

Custom messaging

Enhanced Communication
For the IND890 Weighing Terminal

METTLER TOLEDO

Remote Interface Application
In a Flexible, Touch-Screen Terminal

- **Send custom messages**
- **Touchscreen data entry**
- **Pre-defined input formats**
- **Reliable transfer of crucial data**
- **Control discrete I/O from a remote location**

Reliable and accurate data is essential to assure efficient and cost-effective industrial processes. The IND890com weighing terminal pairs with your host computer to log the relevant data, simply and securely. Communications interface options facilitate subsequent data processing and analysis – Ethernet connectivity is standard, and USB and RS-232/RS-422/RS-485 options are available.

PC-IND890 dialog operation
Just about every IND890com key can be monitored and responded to by the remote PC. Inputs made at the weighing terminal can be either without format, or with a specified format – so that the IND890 displays either free-form text strings, or data in format-specific form such as alphanumeric, Yes/No queries, date and time, and hidden text for passwords.

Enhanced weighing functionality
The remote PC or host can request current gross, net and tare weight values through the communication interfaces. The interface can also be used to reset tare, or to switch between up to four attached scales.

Long life for optimum return on investment
A long service life is assured by the IND890's robust stainless steel housing and carefully specified components, which allow it to survive in the harshest of industrial environments.

Performance Features

Function Keys

The IND890com's keys can serve as function keys for data transmission to the host PC. Thus, at the heart of the production system, the terminal acts as a robust keyboard with direct access to sophisticated process controls that are restricted to the PC.

Keys can be labeled in clear text, changing to reflect different functions as the process demands.

Flexible printing options

IND890com produces clear text or bar codes printed out on control slips, labels or forms

Peripherals

Control, switch and monitor production facilities with minimal installation effort. Using the same data interface used to communicate with the IND890com, mixers, feeders, and other scale-related equipment can be controlled using the available optional discrete I/O.

Barcode data input simplifies tracking processes and assures accuracy of the acquired information.

Printers can produce records of weighing transactions, or print labels containing variable data to ensure efficient process management, stock tracking, or anything your facility requires.

Sending text

Using simple interface commands, extend a complex PC-based function to include weighing processes at the IND890com. Whether it's production information, procedural instructions or entry prompts, it can be displayed at the terminal while the PC remains safely outside the production environment. The IND890com serves as an extension of PC.

Up to four lines may be freely filled with data including upper- and lower-case letters, special symbols and numeric characters.

Technical Data

Touchscreen interface	Standard, 10″, measured diagonally
Environmental protection	IP69K, suitable for the harsh industrial environments. Rust-free housing with Ra<0.8μm surface finish
Display	Easy to read with intuitive interface and icons. DeltaTrac display for easy weighing-to-target
Data storage	Compact Flash card storage standard in all models
Scale interface	Up to four scale interfaces including Analog, IDNet and SICS
Discrete I/O	Discrete I/O option board provides 4 inputs and 4 outputs. Inputs are opto-coupler rated for max 30 VDC @ 50 mA; Outputs are relay contacts rated for 30 VDC @ 1 A, but not more than 2 A across all four outputs Remote: Up to 5 ARM100 I/O modules, 4 in/6 out @ 30 VDC/250 VAC, 1 A max.
Connectivity	Ethernet connectivity standard, for integration into industrial networks. In addition, select and install up to six interfaces including scales, I/O option, USB, WLAN and serial (RS-232, RS-422 or RS-485) for connection to PCs, printers and bar code scanners
Enclosure options	Available in panel-mount and harsh environment enclosure designs Harsh enclosure includes ergonomic and swivel mount for wall or desk mounting

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