

## Communication Interface Application Keeps data and production flowing



### Remote communication

Communicate with your weighing application in the harshest environment. A remote PC can send data to the weighing terminal, and collect information from it, while remaining in a clean and secure environment.



### Weight data

The communications interface can be used to receive current gross, net, and tare weight values. The interface can also be used to reset tare and to switch between up to four connected scales.



### Custom messages

Operator actions can be directed using the simple Com-890 interface commands. Production information, procedural instructions or entry prompts can be sent for display on the IND890com terminal.



### Peripheral devices

The application also supports the connection of peripheral interface devices such as ARM-100 discrete I/O modules. These which can be used to control process devices, receive input from bar code scanners for easy data entry, and sent output to printers to produce labels or other data required by the process.



### IND890com Weighing Terminal

Remote capability for an advanced weighing terminal

The Com-890 application allows a remote PC to assume complete control of the IND890 terminal, taking advantage of all its powerful features and benefits. This capability can be used whenever a process is controlled by a remote PC; the application allows the PC to retrieve weight data from the IND890 and to send commands to it, integrating the weighing terminal into the overall control scheme. To enhance control and consistency of the weighing application, on-screen messages can be sent to the IND890 for display to the operator. This is particularly useful when the weighing application is in a harsh environment not suited for a PC; adding Com-890 to the weighing terminal allows the PC and its operators to remain in the secure environment.

## Com-890 Application

Remote interface application for the IND890 weighing terminal

### Features and Benefits

- Process consistency assured by prompting the user through a sequence of steps using custom text commands sent from the PC to the terminal
- Convenient application-specific interface, using custom menus that reflect the function for which the terminal is used
- Easy touchscreen data entry – capture all keys pressed by the user during operation, and send them to a remote PC
- Quick and accurate custom data entry using the touchscreen HMI or a bar code scanner, with input shared in real time with the remote PC
- Seamless capture of data entry, either without format restrictions, or by creating pre-defined input formats such as text, date, selection from a list, or a password
- Flexible control by discrete I/O in the harsh environment, using a connected ARM-100 relay module from the secure area
- Easy-to-format commands can be transmitted via Ethernet, WLAN, USB or RS-232 serial interfaces
- Control and gather data from multiple IND890 terminals in the production environment, using FreeWeigh.net installed on a PC



## Technical Data

<b>Touchscreen interface</b>	Standard, 10" measured diagonally
<b>Environmental protection</b>	IP69K, suitable for the harsh industrial environments. Rust-free housing with Ra<0.8µm surface finish
<b>Display</b>	Easy to read with intuitive interface and icons. DeltaTrac display for easy weighing-to-target
<b>Data storage</b>	Compact Flash card storage standard in all models
<b>Scale interface</b>	Up to four scale interfaces including Analog, IDNet and SICS
<b>Discrete I/O</b>	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.:
<b>Connectivity</b>	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
<b>Enclosure options</b>	Available in panel-mount and harsh enclosure designs Harsh enclosure includes ergonomic and swivel mount for wall or desk mounting

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