IND690com

Application software

Manual documentation is not only slow, but can lead to data entry mistakes IND690com together with your host computer will supply you with the data you need.
Plug and play statistical quality control systems such as FreeWeigh.Net are easily connected for enhanced information flow.

Keeps data and production flowing.

METTLER TOLEDO

Value for money

User-friendly operator guidance allows computer aided control of several weighing stations at the same time - without extensive programming on your part.

Prod

Sample

End

Cancel

- Rugged, industrial housing provides IP69K protection
- BIG WEIGHT® display with large digits easily read from a distance
- Smooth, spill-resistant membrane keypad for long life and ease of operation
- Interfaces allow easy connection of external systems
- Up to 4 scales may be connected - for correct weighing accuracy every time

Industrial data processing made easy.

Reliably accurate data is no full stop essential these days for an efficient and cost-effective industrial process. METTLER TOLEDO scales offer you a tailor-made selection, ranging from industrial precision balances with an internal resolution of 3.2 million points, to competitively priced strain gauge/analogue weighing platforms with measuring ranges from milligrams to tonnes. The IND690 terminal with IND690com application software logs the relevant data in conjunction with your host computer. To make subsequent processing easier we can provide adaptable interfaces - RS232 is standard; USB, Ethernet and wireless (WLAN, Bluetooth) are optional - and printers for your applications.

Modes of operation of the IND690com application software

Function keys

A – F	Key for triggering a data transfer. On key-hit, a
0 – 9	control sequence is initiated to the host machine.
F2 – F6	This is a simple means of monitoring just about
PC keyboard	every key of the IND690com and to respond to them, if desired. For convenience and to enable easy handling, keys F2–F6 are freely markable via the interface.

Dialogue operation without format indication

- Transmission of control sequences of the keys
- Display of any desired text on the display screen, consisting of up to 4 lines with up to 30 characters each.

BIG WEIGHT® is a registered trademark of Mettler-Toledo (Albstadt) GmbH. German Patent 197 32 659. European Patent 0 895 071.

Dialogue operation with format indication

- Requesting of input in various formats with explanatory text, target value with or without unit.
  Input formats: alphanumeric, numeric, real (comma numbers), query (Yes/No), hidden (passwords), date/time.

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======================
No.      7610075356184
Delichoc
Code          5603-22
Machine            22
Batch         345-68
- 1 -     100.3g
- 2 -     100.5g
- 3 -     100.3g
- 4 -     100.2g
- 5 -     100.3g
n                  5
Mean         100.3 g
Mean %       100.31
Std.dev.       0.1 g
Std.dev %      0.12
<T2-               0
<T1-               0
>T1+               0
>T2+               0
Message
**26.03.2005 14:47**
```

Typical printout shown actual size.

IND690com allows simple and reliable data processing to produce clear text or bar codes printed out on control slips, labels or forms.

Performance features

Weighing

Request current gross, net and tare weight values through the communication interfaces. From the superordinate system, you may reset, tare and (as an option) switch between up to three scales connected to the unit.

Sending text to the IND690com

Using simple interface commands, you may expand your complex PC application and transpose it to production.

Whether it's production information, procedural instructions or entry prompts, simply display it directly at your workstation and the PC remains protected and clean in the office. The IND690com serves as an extension arm of the monitor in the production area - rugged, dust- and waterproof.

– Up to 4 lines may be freely filled with data, UPPER and lower case letters, special symbols and numeric characters.
– The maximum number of characters per line is as follows:
  Line 1 –> 14 characters
  Line 2 –> 14 characters
  Line 3 –> 20 characters
  Line 4 –> 30 characters

– The keys of the IND690com may serve as function keys for data transmission. When a key is pressed, the IND690com sends recognition of this key to the superordinate system. It will react as if that key had been activated on the system itself. That means you have a rugged, easy-to-care-for keyboard right at the production area workstation.
– Give the keypad the intelligence of your application by marking the function keys in clear text via the interface - variably, with any text and at any time. Because only a key that is understood makes any sense at all.
Variant 1:
  Five keys with up to five characters per key are freely markable.
Variant 2:
  Up to 15 texts can be added, lined up one after the other, consisting of up to 22 characters each. These texts can be displayed in inverted colors (black on green) or normal (green on black), and varied key after key. The length of each key varies dynamically, congruent with the length of the assigned text. In case not all keys should fit in the display, several levels are generated and users can switch from level to level.

Peripherals

Control, switch and monitor your production facilities with minimal installation effort. By way of the same data line used to communicate with the IND690com, you may control up to an additional five peripheral units. Simple and without additional lines to the superordinate system.

– **Stirring, shaking, transporting, displayng...**
  Control or monitor up to eight relay inputs and/or outputs with the optional 4I/O-690 interface and the 4-690 relay box. If that is not enough, control or monitor up to 64 relay input and/or outputs using an optional RS485-690 and up to eight 8-690 relay box units.
– **Barcode**
  You may connect your serial (or PS2) barcode reader to the IND690com via an optional serial interface.
  Depending on the situation and setting, the reader allows quick inputs to the IND690com or the scanned data can be directed to the superordinate system.
– **Unlimited printing**
  Print your data via an optional serial interface on a METTLER TOLEDO GA46 or on any other serial printer. Send your print data from the superordinate system to the IND690com or use the memory-resident printer configuration of the terminal.

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Tailored Services

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