More than just the sum of its parts?

IND690sum
Application software

Are words like item total, grand total or item counter as familiar to you? If so, IND690sum is the application software you’ve been looking for.
Accurate data for you and your customers.

Simple, efficient and accurate weighing for product management and acquisition of sales data in goods-in, production, stores or dispatch.

- Rugged, industrial housing provides IP69K protection
- BIG WEIGHT™ display with large digits easy to read even from a distance
- Smooth, spill-resistant membrane keypad for long life and ease of operation
- Codes A to F for clear identification and relation of weighing data to product
- Interfaces make it easy to connect peripheral systems

IND690sum updates your data automatically
Accurate weight is essential for good production management. METTLER TOLEDO’s scales provide you with this data for every last part, whatever the accuracy and quantity involved. The tailor-made selection extends 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.
In conjunction with the ID7 terminal, the IND690sum application software provides reliable data to your computer system to optimise your production flow.

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**JACK LYNER LTD.**

**- Cold Meats -**

**TOTAL RECORD for**

**234 Joe Mondall**

<table>
<thead>
<tr>
<th>Article No.</th>
<th>GROSS</th>
<th>NET</th>
<th>TARE</th>
<th>ITEMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>10. ROAST VEAL</td>
<td>49.996 kg</td>
<td>42.030 kg</td>
<td>7.966 kg</td>
<td>4</td>
</tr>
<tr>
<td>12. HEAT PIE</td>
<td>24.190 kg</td>
<td>20.194 kg</td>
<td>3.996 kg</td>
<td>2</td>
</tr>
<tr>
<td>14. HHH</td>
<td>16.633 kg</td>
<td>12.361 kg</td>
<td>4.272 kg</td>
<td>4</td>
</tr>
<tr>
<td>20. HEAT BALLS</td>
<td>3.515 kg</td>
<td>3.018 kg</td>
<td>0.497 kg</td>
<td>1</td>
</tr>
<tr>
<td>23. SAUSAGE</td>
<td>9.079 kg</td>
<td>6.037 kg</td>
<td>3.042 kg</td>
<td>6</td>
</tr>
</tbody>
</table>

**Total**

| Gross | 101.615 kg | Net | 84.140 kg | Tare | 17.475 kg | Items | 17 |

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**BIG WEIGHT™** is a registered trademark of Mettler-Toledo (Albstadt) GmbH.

Printout shown actual size
• **Totalization**
  IND690sum totals weights and item data at the touch of a button to provide important information for production and administration.

• **4 scales can be connected**
  For optimized totalization over a wide weight range.

• **Host communication facility**
  IND690sum transfers total data to the host computer system, sometimes at the latter’s request, without the intervention of an operator. This keeps computer and production data consistent.

• **Fast data input without errors**
  Using a barcode reader, separate alphanumeric keyboard or online, e.g. from store computer.

• **Informative message display**
  Display continuously shows article number, item counter and net sum of current article, giving you clarity and safety.

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**Technical data for IND690sum application software**

<table>
<thead>
<tr>
<th>Function keys</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEGIN</td>
</tr>
<tr>
<td>TOTALISATION</td>
</tr>
<tr>
<td>PLUS</td>
</tr>
<tr>
<td>Z-SUM</td>
</tr>
<tr>
<td>G-SUM</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>MANUAL</td>
</tr>
<tr>
<td>CANCEL</td>
</tr>
</tbody>
</table>

**Totalisation**

| Weight totalisation | Gross, net, tare. Minimum control 1 to 99d. |
| Item totalisation   | Three levels: subtotal, total and grand total stored under item numbers. |
| Capacity of total memory | 9 places, or 999,999,999kg |
| Consecutive numbering | Consecutive numbering of each individual weighing operation, 6 places up to 999,999. |
| Item counter for outputting total | 6 places, up to 999,999 items |
| Item management/ storage | 999 item numbers, with edit function |
| Manual inputting of weights | Known net weights |
| Cancellation | Cancel function using back weighing |
| Identification data | 6 characteristic data memories, each allowing entry of 30 numeric and alphanumeric characters. |
| Data backup | All total, item and characteristic data memories are buffered to avoid losing data in case of power failure. |

**Starting printing on the GA46 thermal printer** | Manual or automatic |
### Computer port

**Port**
- RS232
- 20mA current interface
- RS485/422
- EtherNet
- WLAN
- Bluetooth
- USB

**Outputting total report to computer system**
By means of interface commands, it is feasible to request a report of the current total sum with all articles. The total sum is then deleted, depending on the command.

### General functions

**INFO**
- Easy retrieval of:
  - Subtotal
  - Total
  - Grand total
  - Auto-totalisation ON or OFF
  - Value of last cancellation
  - Value of last manual entry

**Control signals**
Via 4 I/O-690 interface and 4-690 or RS485/422 690 relay box and 8-690 relay box (accessories):
- Signal outputs:
  - DeltaTrac status (too few/OK/too many)
  - Scale stability
  - 8 independent freely definable switching points
- Signal inputs:
  - ON/OFF key, zeroing, taring, Enter