FLYNET
SMART WEIGHING INDICATOR

FAST ✓
RELIABLE ✓
EASY TO USE ✓

Keep in touch
The new generation FLYNET 50 indicator is characterised by high operating speed, intuitive use, easy data management and sharing, and high connectivity performance.

It represents the ideal solution for many applications:

- Vehicle recognition weighing, vehicle weighing with access control
- Weighing on bench or floor scales in industrial environments
- Pre-packed products control
- Manual dosing
- Waste weighing and traceability
- Part count
- Filling control

Plus all weighing processes that require a quick and reliable data exchange with company management systems.
DATA MANAGER

THEMES SELECTION

TOOLS SET

PRODUCT CODE DATA ENTRY

SECONDARY WIDE MONITOR VIA HDMI

AUTOMATION DEVICES MANAGEMENT

HIGH PERFORMANCE CORE

LAN CONNECTION

VIRTUAL PRINTER FOR WEIGHING DOCUMENTS

DIAGNOSTICS SYSTEM FOR ACCIDENTAL ERRORS
Efficient data management

- Data sharing with a SQL server relational database for flexible data management.
- Export data in .CSV format by transferring them through FTP protocol or by saving them on a USB Flash Disk device.
- PC Windows application for remote database management.
- Possibility to archive the weighing ticket in PDF.
- Automatic data transmission by e-mail (e.g. weighing ticket PDF, malfunction warning messages such as out-of-paper messages etc.)
**Optionals**

**SERIAL OUTPUT CARD**  
It allows managing 2 additional serial outputs besides the two provided  
- RS232, RS422, RS485 optoisolated formats  
- Outputs on DSUB 9-pole connector  
- Programmable Baud Rate

**INPUT/OUTPUT CARDS**  
- There are 8 inputs and 12 outputs for each card  
- Input: with galvanic insulation Vmax 24 Vdc  
- Output: Optomos Vmax 24 Vac/Vdc  
- Inputs/Outputs on 25-pole DSUB  
- DSUB-25-pole interface cable / terminal block

**WI-FI COMMUNICATION DEVICE**  
- External option (Bridge ETH/Wi-Fi)

**DIGITAL-INPUT CARD/ANALOGUE OUTPUT-INPUT**  
Multi-purpose optional card  
- 1 analogue output 0-10V/4-20 mA  
- 2 impulse count inputs Freq max 2 kHz  
- 1 analogue input 0-10 V/4-20 mA  
- HDMI card for external repeaters

**ANALOGUE SCALE INTERFACE CARD**  
- Internal resolution up to one million points, conversion speed up to 100 conversions/second  
- Digital filters that can be customised by SW parameters

**DIGITAL**  
- Optoisolated RS485 interface with proprietary protocol  
- Diagnostic management of digital cells (conversion, power supply, temperature, etc.)  
- Automatic software correction of the eccentric load  
- Cell power supply from 10 to 18 Vdc, it can be varied automatically depending on the cable length

1) SLOT FOR OPTIONAL CARDS  
   - I/O CARDS  
   - ANALOGUE OUTPUT
2) SCALE 1  
   SCALE 2 OPTIONAL
3) NO. 3 SERIAL PORTS RS 232/RS422
3A) NO. 2 OPTIONAL SERIAL PORTS
4) NO. 2 I/O OPTOISOLATED
5) ETHERNET PORT 10/100 Mbps
6) NO. 4 USB HOST PORTS
7) 12V POWER SUPPLY THROUGH EXTERNAL POWER SUPPLY UNIT
8) OPTIONAL HDMI OUTPUT
## Technical features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PROCESSOR</strong></td>
<td>DUAL CORE 1 GHz</td>
</tr>
<tr>
<td><strong>RAM</strong></td>
<td>512 MByte</td>
</tr>
<tr>
<td><strong>MEMORY</strong></td>
<td>1 GByte Flash Memory on board</td>
</tr>
<tr>
<td><strong>DISPLAY</strong></td>
<td>5.7” TOUCH SCREEN colour display, utilising TFT technology with LED backlight</td>
</tr>
<tr>
<td><strong>ETHERNET PORT</strong></td>
<td>10/100 MBps</td>
</tr>
<tr>
<td><strong>USB</strong></td>
<td>No. 4 USB ports Host A type (mouse, external keyboard etc)</td>
</tr>
<tr>
<td><strong>SERIAL OUTPUTS</strong></td>
<td>N° 3 RS232/RS422 + 2 RS232/RS422 OPTOISOLATED OPTIONAL serial outputs for connection to printers, repeaters, barcode readers, PC, etc.</td>
</tr>
<tr>
<td><strong>SLOT EXPANSIONS</strong></td>
<td>2 slots for dedicated expansions (digital I/O, Analogue I/O, etc.)</td>
</tr>
<tr>
<td><strong>ALIBI MEMORY MPP</strong></td>
<td>Alibi Memory/MPP Metrological Protocol</td>
</tr>
<tr>
<td><strong>POWER SUPPLY</strong></td>
<td>110-240 VAC, 50/60 Hz with external power supply; 12VDC direct internal power supply</td>
</tr>
</tbody>
</table>

*It can be connected* up to 2 analogue or 2 digital scales

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LOAD CELL</strong></td>
<td>Analogue load cell 5VDC or 10VDC</td>
</tr>
<tr>
<td><strong>POWER SUPPLY VOLTAGE</strong></td>
<td>Analogue load cell 5VDC or 10VDC</td>
</tr>
<tr>
<td><strong>A/D CONVERTER</strong></td>
<td>Sigma Delta 24 bits, digital filtering, +5VDC power supply, 6-wire connection</td>
</tr>
<tr>
<td><strong>MAX NO. OF ANALOGUE CELLS</strong></td>
<td>12 cells with 350 Ohm impedance for each scale (12+12 in a duplex version)</td>
</tr>
<tr>
<td><strong>MAX NO. OF DIGITAL CELLS</strong></td>
<td>16 WITH ONE SCALE, 8+8 in the double scale version (duplex)</td>
</tr>
</tbody>
</table>

*CE approval*  
*OIML certificate*  
*NTEP approval*  

up to 6000 divisions  
Multidivision and Multirange versions  
(3x3000 o 2x4000)
FLYNET50
Desktop version

FLYNET50
Wall-mounted version

FLYNET50 equipped with STB 03 printer