SOCIETA' COOPERATIVA
BILANCIAI
Strumenti e Tecnologie per Pesare



FLYNET 100 i

FLYNET50

FLYNET

WEIGHING INDICATORS
TOUCH SCREEN

- **FAST**
- **RELIABLE**
- **USER FRIENDLY**

BILANCIAI GROUP

FLYNET

TOUCH SCREEN WEIGHING INDICATORS

HIGH PERFORMANCE CONNECTIVITY

The next generation indicators
FLYNET50, FLYNET50i, FLYNET50ic,
FLYNET100i and **FLYNET100ic**
feature **HIGH OPERATING SPEED,**
EASE OF USE, DATA MANAGEMENT AND **SHARING,**
COMBINED WITH HIGH PERFORMANCE CONNECTIVITY.

This new line of indicators represents the best solution for a wide range of applications:

- Vehicle recognition weighing, weighing of vehicles with access control
- Weighing on bench or floor scales in industrial environments
- Pre-packed products control
- Manual and semi-automatic dosing
- Waste weighing and traceability
- Piece counting

Ideal for all weighing processes that require fast and reliable data exchange with ERP systems.

STRENGTHS

50

- TROUBLESHOOTING TOOLS
- AUTOMATION DEVICE MANAGEMENT
- HIGH-PERFORMANCE PROCESSOR
- BUSINESS NETWORK INTEGRATION
- DIGITAL DOCUMENT CREATION
- CONNECTION TO MAXI DISPLAY



FLYNET50



FLYNET50
(WALL-MOUNTED VERSION)



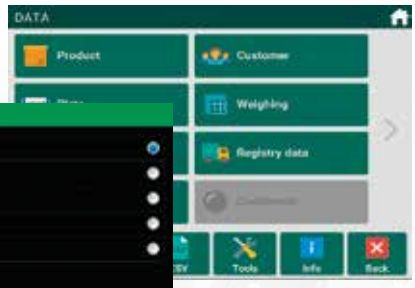
FLYNET50i
(IP69K PROTECTION RATING)

EFFECTIVE DATA MANAGEMENT

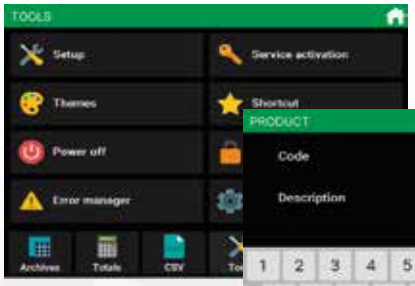
- Data sharing with **SQL server** relational database via PC application (not included)
- Data export in CSV format, transmission through FTP protocol or storage on USB Disks
- Possibility of saving the weight ticket in **PDF format**
- Automatic email**notifications**
  (i.e. PDF of weight ticket, error messages such as out of paper and so on)



THEMES SELECTION



DATA MANAGER



TOOLS SET



PRODUCT CODE DATA ENTRY

- **POSSIBILITY TO CONNECT UP TO 4 INTERNAL/REMOTE SCALES**
- **10.4" TOUCH SCREEN MAXI DISPLAY**

NEW 100



FLYNET50 ic



FLYNET 100 i
(WALL-MOUNTED VERSION)



FLYNET 100 ic

HARDWARE OPTIONS

SERIAL OUTPUT CARD

Allows managing 2 extra serial outputs in addition to the two already supplied

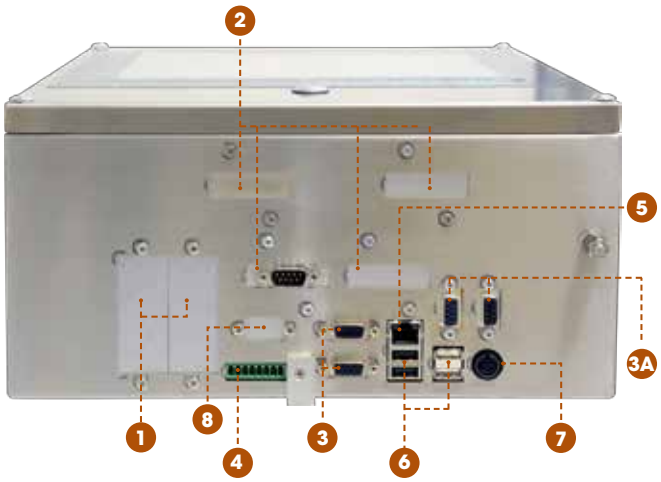
- RS232, RS422, RS485 opto-isolated formats
- Outputs on 9-pole DSUB connector
- Programmable Baud Rate

INPUT/OUTPUT CARD

- There are 8 inputs and 12 outputs for each card
- Input: with galvanic insulation Vmax 24 Vdc
- Output: Optomos Vmax 24 Vac/Vdc Imax 200 mA
- Inputs/Outputs on 25-pole DSUB
- 25-pole DSUB/terminal box interface cable (optional)

ANALOGUE SCALE INTERFACE CARD

- Internal resolution up to one million dots
- Conversion speed up to 100 per second
- Digital filters that can be customised by SW parameters



Lower part "Flynet 100 ic" version

DIGITAL INPUTS / ANALOGUE OUTPUT CARD

Multi-purpose optional card

- 1 analogue output 0-10V/4-20 mA
- 2 pulse counter inputs, max frequency 2 kHz
- 1 analogue input 0-10 V/4- 20 mA

HDMI OUTPUT CARD FOR EXTERNAL REPEATERS

(not available for Flynet 50 i version)

FIELD BUS EXTERNAL MODULES

External modules can be connected to the weight indicator (for instance: profibus, profinet, ethernet/IP, modbus)

WiFi COMMUNICATION DEVICE

- External option (ETH/-WiFi Bridge)

DIGITAL SCALE INTERFACE CARD

- Opto-isolated RS485 interface with proprietary protocol
- Digital load cell diagnostic control (conversion, power supply, temperature, and so on)
- Automatic software correction of the off center load
- Load cell power supply from 10 to 18 Vdc, self-adjusting

1) N° 2 SLOTS FOR OPTIONAL CARDS
2) UP TO N° 2 ANALOGUE OR DIGITAL SCALES (Flynet 50)
UP TO N° 4 ANALOGUE OR DIGITAL SCALES (Flynet 100)
3) N° 3 RS 232/RS422 SERIAL PORTS
3A) N° 2 OPTIONAL SERIAL PORTS
4) N° 2 OPTOISOLATED I/O
5) 10/100 Mbps ETHERNET PORT
6) N° 4 USB HOST PORTS
7) 12V POWER SUPPLY THROUGH EXTERNAL POWER SUPPLY
8) OPTIONAL HDMI OUTPUT *(not available for Flynet 50 i version)*

CONNECTIVITY

FLYNET 50 AND 100 CAN CONNECT WITH ALL MODERN IT DEVICES AVAILABLE ON THE MARKET.



STB2080
FLYNET PRINTER

AVAILABLE SOFTWARE FUNCTIONS

- **PIECE COUNTER**
- **E-CHECK**
- **MANUAL/SEMI-AUTOMATIC DOSING**
- **SOLAS**
- **SPECIAL OPTIONS AVAILABLE UPON REQUEST**

SOFTWARE OPTIONS

- **PDF PRINTER**
to generate the weight ticket in electronic format
- **NETWORK PRINTER**
to generate the weight ticket through a network printer
- **FISCAL MEMORY/ALIBI MEMORY (MPP)**
to ensure the tracking of fiscal weights when the data is sent to a third-party ERP system

TECHNICAL SPECS.

FLYNET

		50	50i	50ic	100i	100ic
PROCESSOR	1 GHZ DUAL CORE	↘	↘	↘	↘	↘
RAM	512 MByte	↘	↘	↘	↘	↘
MEMORY	1 Gbyte Flash on board	↘	↘	↘	↘	↘
DISPLAY	TFT Technology, LED backlighting with touch screen	**5.7"**	**5.7"**	**5.7"**	**10.4"**	**10.4"**
ETHERNET PORT	10/100 MBps	↘	↘	↘	↘	↘
USB	N° 4 USB ports - Type A Host (mouse, external keyboard, etc.)	↘	↘	↘	↘	↘
SERIAL OUTPUTS	N° 3 RS232/RS422 + 2 OPTIONAL RS232/RS422 Opto-isolated for connection to printers, repeaters, barcode readers, PCs, etc.	↘	↘	↘	↘	↘
EXPANSION SLOTS	2 slots for dedicated expansions (Digital I/O, Analogue I/O, etc.)	↘	↘	↘	↘	↘
MPP ALIBI MEMORY	Metrological archiving of transmitted weights	↘	↘	↘	↘	↘
MATERIAL	AISI 304 STAINLESS STEEL		↘	↘	↘	↘
POWER SUPPLY	THROUGH EXTERNAL 110/240 Vac TRANSFORMER (-15% … +10%), 1.8 A, 50/60 Hz, 60W Max (included)	↘		↘		↘
	DIRECT ON CPU 12 Vdc, 3 A (Min 11 Vdc - Max 15 Vdc)	↘	↘	↘	↘	↘
	THROUGH INTERNAL L+N+R 110/240 Vac (-15% … +10%) TRANSFORMER, 1.8 A, 50/60 Hz, 60W Max		↘		↘	
POSSIBILITY TO CONNECT	ANALOGUE OR DIGITAL SCALES	**2**	**2**	**2**	**4**	**4**
ANALOGUE LOAD CELLS SUPPLY VOLTAGE	5VDC or 10VDC	↘	↘	↘		
	10VDC				↘	↘
A/D CONVERTER	Sigma Delta 24 bits, digital filtering, +5VDC power supply, 6-wire connection	↘	↘	↘	↘	↘
	Dual slope converter, 10V power supply, 6-wire connection	↘	↘	↘	↘	↘
MAX NUMBER OF ANALOGUE LOAD CELLS	12 cells with 350 Ohm impedance for each scale	↘	↘	↘	↘	↘
DIGITAL LOAD CELLS SUPPLY VOLTAGE	10-18 VDC	↘	↘	↘	↘	↘
MAXIMUM NUMBER OF DIGITAL LOAD CELLS	16 for each single scale, 24 total load cells on multiple scales (with special power supply option)	**max 2**	**max 2**	**max 2**	**max 4**	**max 4**
DEGREE OF PROTECTION			**IP69K**		**IP69K**	

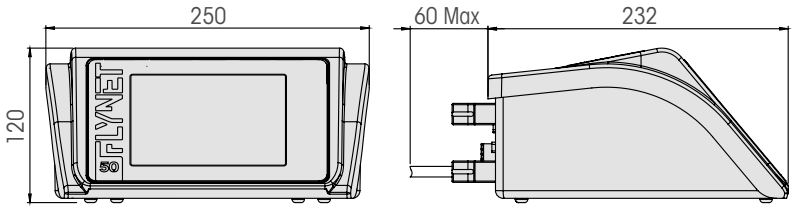
CE Approval

Up to 6000 divisions
Multidivision and Multirange versions (3x3000 o 2x4000)

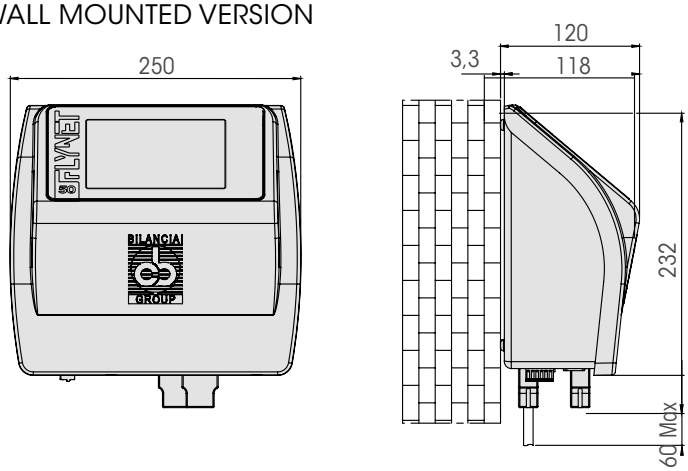
OIML Certificate

NTEP Approval

DESK MOUNTED VERSION

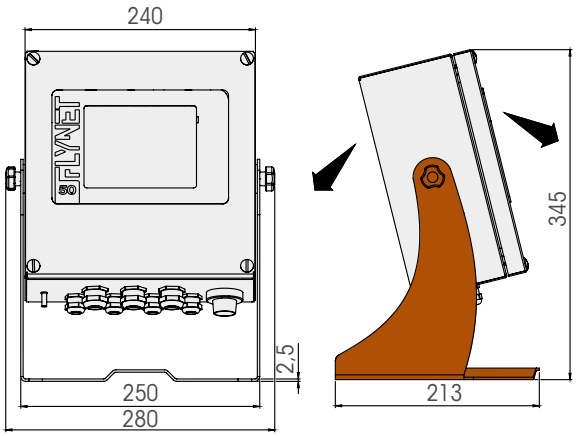


WALL MOUNTED VERSION

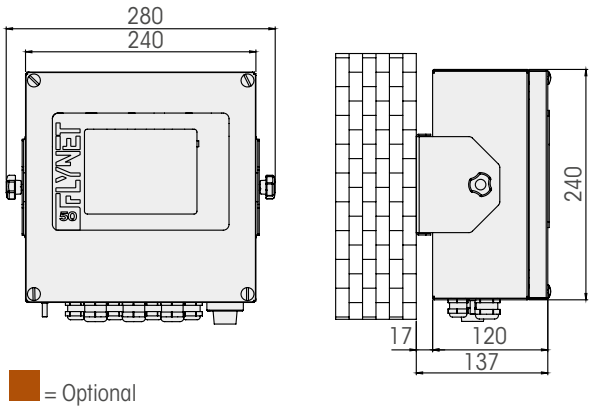


FLYNET50

DESK MOUNTED VERSION

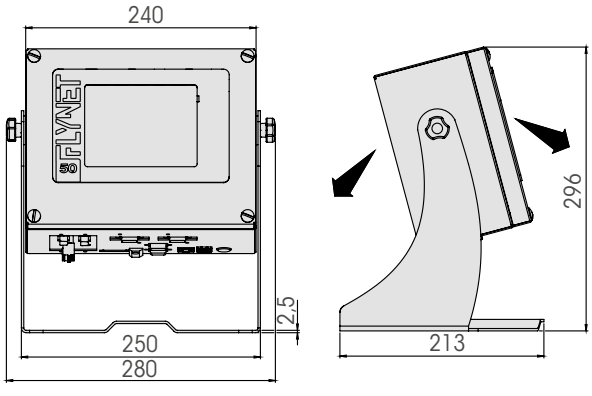


WALL MOUNTED VERSION

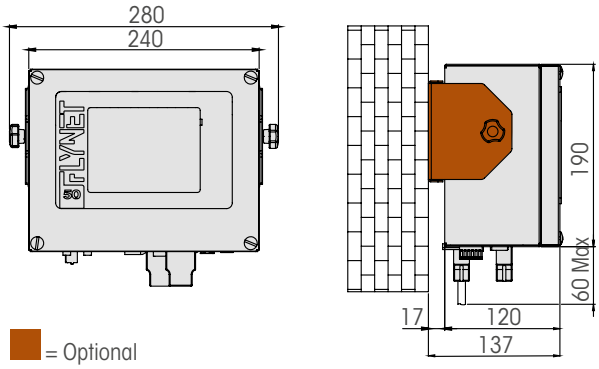


FLYNET50i

DESK MOUNTED VERSION

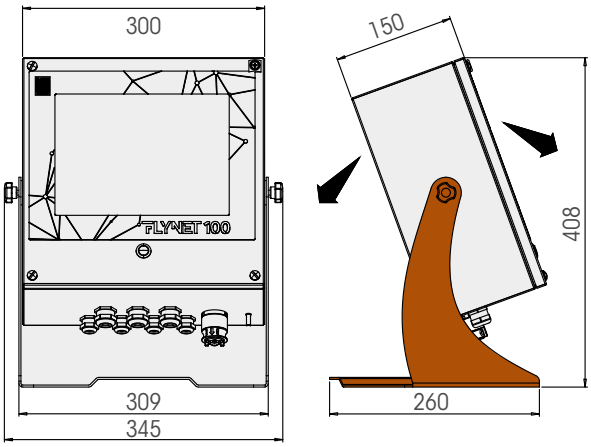


WALL MOUNTED VERSION

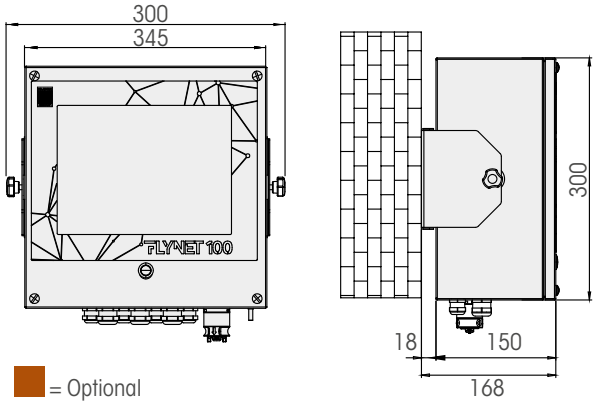


FLYNET50ic

DESK MOUNTED VERSION

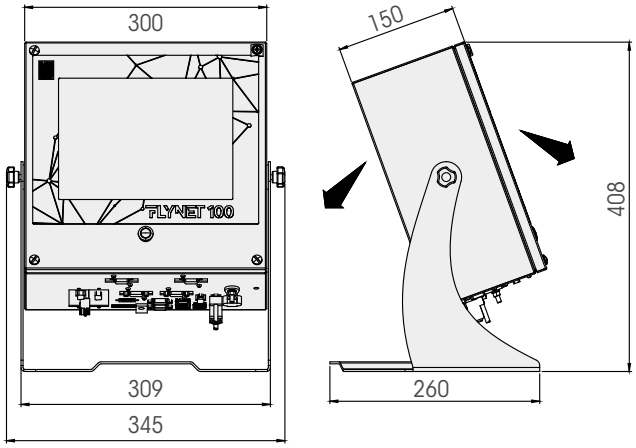


WALL MOUNTED VERSION

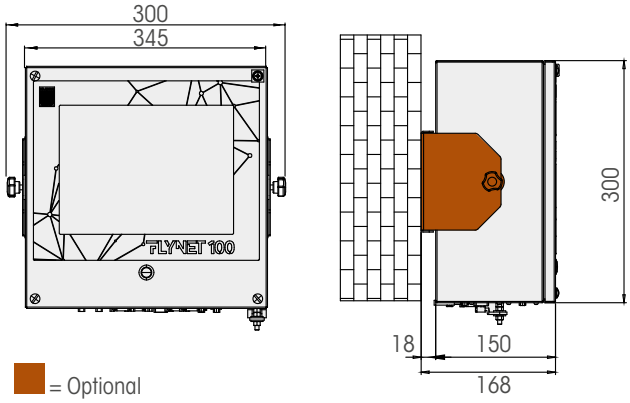


FLYNET 100i

DESK MOUNTED VERSION



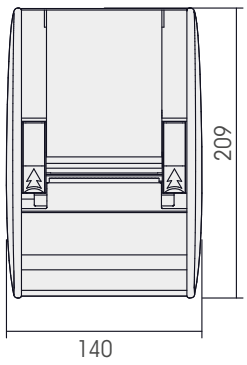
WALL MOUNTED VERSION



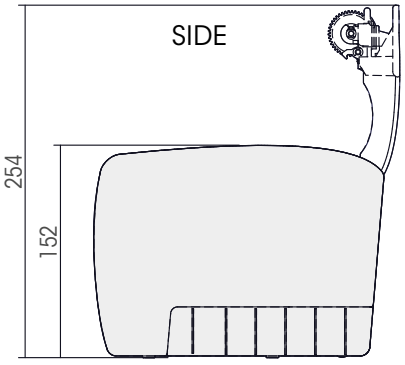
FLYNET 100ic

PRINTER STB2080

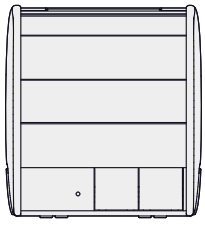
TOP



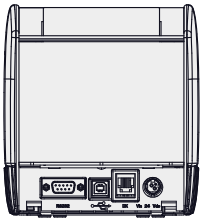
SIDE



FRONT



BACK



In order to technologically improve its production, the company reserves the right to make changes and modifications to the products shown in the above pictures at any time and without prior notice.
12/2021 Edition

BILANCIAI GROUP

SOCIETA' COOPERATIVA BILANCIAI
Strumenti e Tecnologie per Pesare

Società Cooperativa Bilanciai Campogalliano
41011 Campogalliano (MO) Italy
Via S. Ferrari, 16 - Tel. +39 059 893611
Customer Service - Tel. +39 059 893612
www.coopbilanciai.it - info@coopbilanciai.it