PFISTER WAAGEN
Waagen und Wägetechnologien

www.pfisterwaagen.de

Diade DD1010

Weighing Indicator with Touchscreen-Technology

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120 JAHRE

NEW!

Choose the dislpay color to suit the working conditions

MAIN FEATURES

RELIABILITY AND VERSATILITY

- Touch Screen – operation at a finger tip
- Intended for industrial applications, the enclosure is manufactured from robust innovative antistatic fireproof V0PC/ABS UV resistant plastic material with a front panel protection rating of IP65.
- For aggressive environments a range of stainless steel versions with an IP68/IP69K protection rating are available .
- **Create your particular display!**
   The four mostly used function keys can be placed on in the main screen as needed (selection of different shortcut keys)
- Of course commercially verifiable acc. to precision class III
- **Windows™-** character sets displayable, thus usable for various languages

DATA MANAGEMENT

- The use of an **SQL relational database** with **remote connection** services and archive flexible structure allows **targeted management** of data
- which can be easily exported (CSV file format) to the company **databases,** through **network, SD card** or **USB memory stick.**
- A **PC based software package** can be used for the remote management of the databases
- The current weight ticket and statistic results can be archived in a **PDF format**. or data transmission can be done automatically **by e-mail** (e.g. weight ticket PDF, malfunction warning messages such as out-of-paper messages etc.)

CONNECTIVITY

- provided with Standard-Ethernet- and optional **WiFi-connection**
- 2 additional serial communication ports
- **2 slots** for optional cards
- **2 USB-Ports** and a slot for the "SD-card", make DD1010 an innovative instrument, interacting with the latest IT-devices present on the market.

The remote maintenance for software updating or VNC remote control are user friendly and practical.

INSTALLATION VARIANTS

- desktop installation
- wall mounting
- on a floor stand

TECHNICAL CHARACTERISTICS

- Processor 624 MHz
- 128 MByte RAM
- 128 MByte Flash Memory on board
- 5.7" TOUCH SCREEN color display, utilizing TFT technology with LED backlight
- Ethernet Port 10/100 MBps
- 1 expansion for SD card
- 2 USB Host ports
- 2 RS232/RS422 serial outputs for connection to printers, repeaters, barcode readers, PC, etc.
- Power supply: 110-240 VAC, 50/60 Hz with external power supply, 12 VDC; even for connection in a car (12V/25W)

IT CAN BE CONNECTED TO MAX. 2 ANALOGUE OR DIGITAL SCALES

2 slots dedicated expansions (Serial, I/O digital, Field Bus, I/O Analog, etc.)

Digital load cells:
- power supply voltage 10 – 18 VDC
- 12 digital load cells for each scale
- 8 + 8 load cells in the double scale version (Duplex)
- power supply: 110-240 VAC, 50 /60 Hz with external input power supply 12 VDC

Analogue load cells:
- power supply voltage 5 VDC (optional 10 VDC)
- 12 load cells with 350 Ohm impedance for each scale
- 12 +12 load cells in the double scale version (Duplex).
- A/D convertor characteristics: Delta Sigma 24 Bit, digital filtering, +5 VDC-power supply

- CE approval for up to 6000 divisions – Multidivision and multirange versions (3x3000 or 2x4000)
- **OIML** Certificate
- **NTEP** Approval

OPTIONAL

SERIAL OUTPUT CARD

It allows managing 2 additional serial outputs besides the two provided.

- RS32, RS422, RS485 opto-isolated formats

INPUT/OUTPUT CARDS:
TYPE A
- There are 4 inputs and 6 outputs for each card
- Input: with galvanic insulation Vmax 24Vdc
- Output: Optomos Vmax 24Vac/Vdc , Imax 190 mA
- Inputs/Outputs on terminal

TYPE B
- 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 interface cable / terminal block

FIELD BUS CONNECTION CARDS
Connection cards for Fieldbus networks
- Profibus DP Operation, Ethernet/IP, Profinet, Modbus

WiFi COMMUNICATION DEVICE
- Internal option of the wireless data transmission device according to 802.11b/g **WLAN** / **WiFi**
- External option (**Bridge ETH-WiFi**)

DIGITAL-INPUT CARD/ANALOG OUTPUT-INPUT
Multi-purpose optional card
- 1 analog output 0-10V/4-20 mA
- 2 impulse count inputs Freq max 2 kHz
- 1 analog input 0-10 V/4-20 Ma
- Inputs/Outputs on terminal

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

DIGITAL
- Opto-insulated 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

Rotating 180°

1) | Slot for optional cards
    - Serial cards
    - I/O cards
    - Field Bus card
    - Digital input cards/analog output
2) | Scale 1
    Scale 2
3) | 2 serial ports RS232/422
4) | Exp for SD CARD
5) | Ethernet port 10/100 Mb 15/5
6) | USB HOST port
7) | Power supply 12 V via exernal power supply
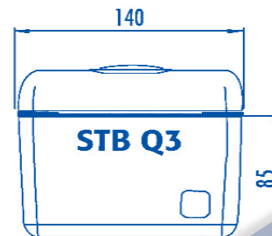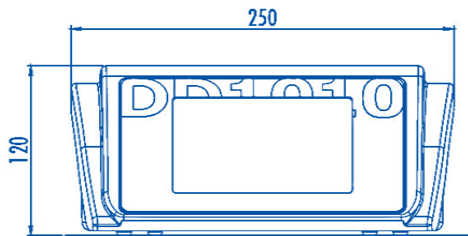
Installation Variants

dimensions in mm
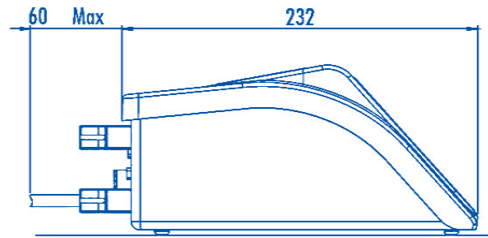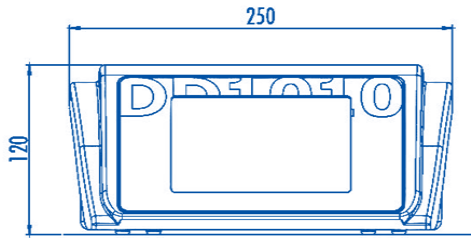
DD1010 desk top version
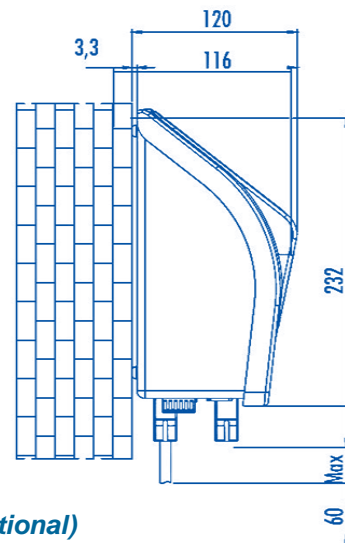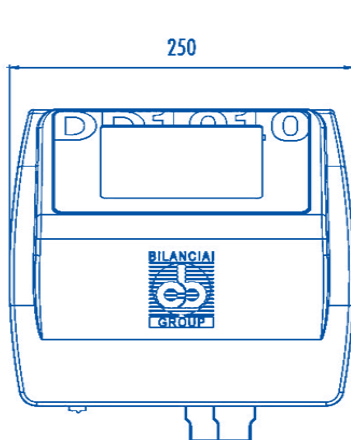
DD1010 wall mounting (optional)
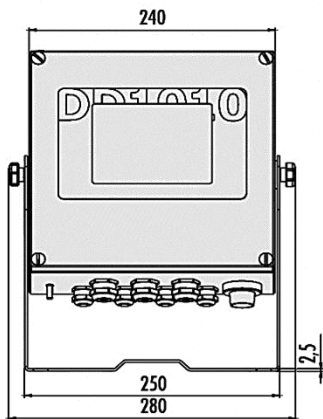
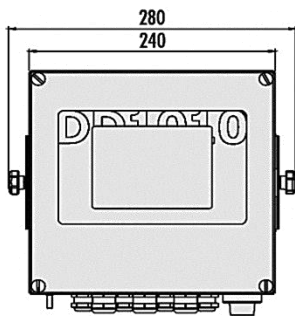**DD1010 with printer STB Q3**

DD1010i cable entry glands
- ❑ complete from stainless steel
- ❑ protection degree IP 68 / IP 69K for harsh and aggressive environments

Installation Variants

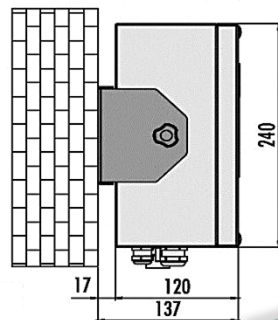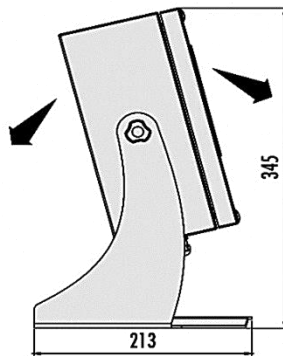*dimensions in mm*

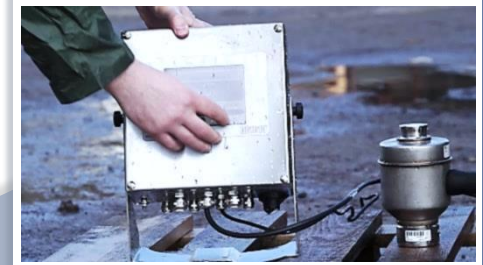**DD1010i desk top version**

240
250
280
2,5
345
213

DD1010 in an aquarium

DD1010i wall mounting (optional)

280
240
240
17
120
137

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DD1010ic with ports

❑ **complete from stainless steel**
   ❑ **with protection IP 65**

357 kg

8300 kg

Installation Variants

dimensions in mm

240
250
280
2.5
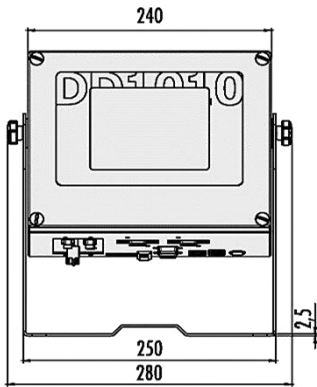
DD1010ic desk top version

296
213

357 kg

8220 kg

280
240

190
60 Max
17
120
137
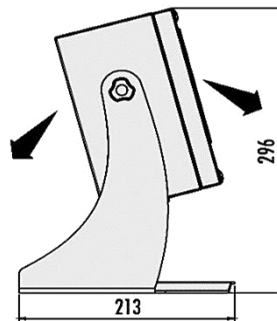
DD1010ic wall mounting (optional)

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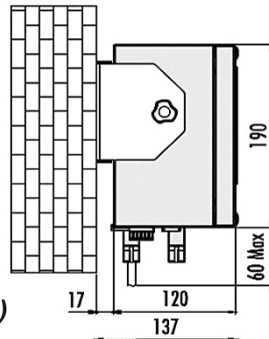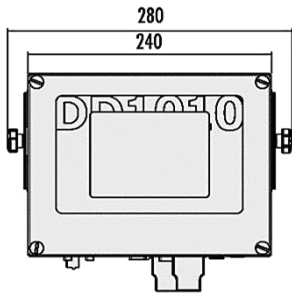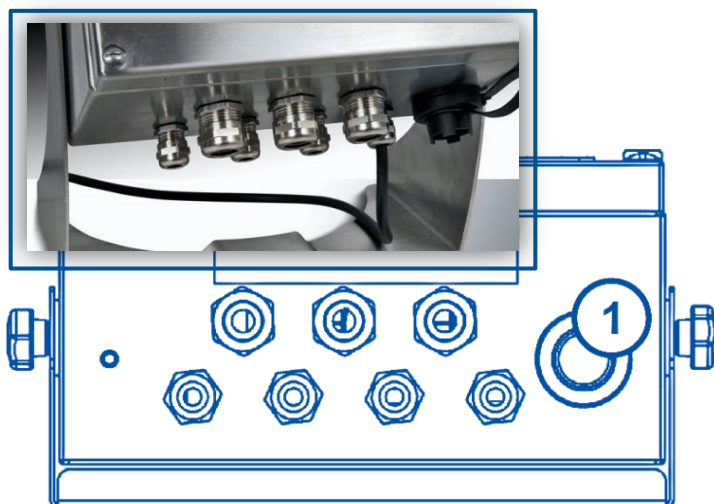
DD1010 ic with ports/entry glands
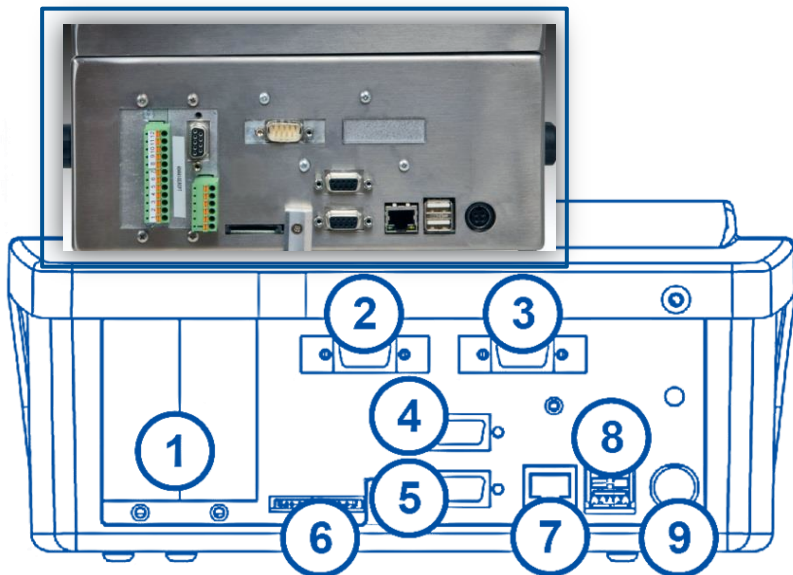
Ports available:

1. slot for optional cards
2. scale 1
3. scale 2
4. COM2
5. COM1-RS232/422
6. extension for SD-card
7. Ethernet port 10/100 Mbps
8. USB-host ports
9. power supply 12 V (via external power supply unit)

DD1010 i version with cable entry glands

Glands available:

1. USB host ports
2. IP 68/69K
   Stainless steel cable entry glands

-Subject to technical modifications-