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neu!

Diade DD 700

Digital Weighing Indicator
For Platform Scales or
Truck Weighbridges

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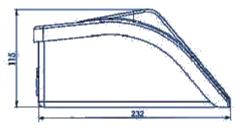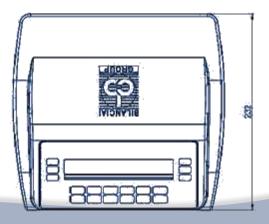Waagen und Wägetechnologien

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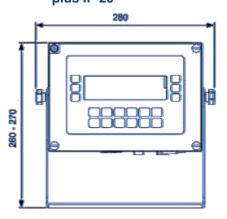# Digital Weighing Terminal DD 700 ABS

Dimensions (in mm)
Weight: 1,5 kg

❑ **Housing of robust, innovative, antistatic, fireproof plastic with front panel in protection class IP65.**
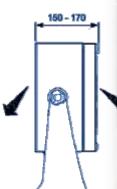
Product Information
Weighing Indicator DD700
status 08/2015

Stainless Steel Version

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Digital Weighing Terminal DD 700IC

- ❑ **complete of stainless steel**
- ❑ **with protection class IP 65 (front)**
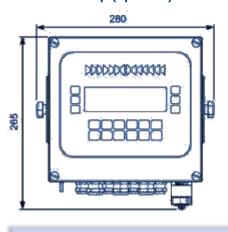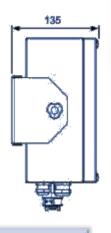 **plus IP 20**

desk top installation
Dimensions (in mm)
Weight: 4 kg

Digital Weighing Terminal DD 700I

- ❑ **complete of stainless steel**
- ❑ **with protection class IP 68 / IP 69K for usein**
  harsh and agressive environment
- ❑ **manual weight controll performed by an**
  LED strip (optional)

Wall mounting
Dimensions (in mm)
Weight: 4 kg

Basic Functions

Single Weighing
- ✓ manages client – and product data bases
- ✓ Sum weighing function allows several weighing operations without unloading the scale

Double Weighing
- ✓ Frist and second weighing for cargo determination

Connection of an external keyboard via USB

Connection of a bar code reader via serial interface

Simple connection to serial weighing printer (serial interface)

USB- connection for:
- ✓ Creating print data in
- ✓ CSV-format
- ✓ Software Update
- ✓ Backup and recovery
- ✓ of data

Counting
- ✓ **piece counting function permits rapid counting of previously defined articles**

Options

Weight check
(only with DD700i)
- ✓ **manual weight control**
- ✓ **fast recall of the produ... data**

Weighing in raw material-construction and agriculture industry
weigh material from a silo or hopper

Mulit-Operator
- ✓ **allows up to 4 operators to perform weighing procedures**
- ✓ **Totaling basing on operator code**

- ⊕ For industrial applications
- ⊕ Verifiable according to precision class III
- ⊕ Alphanumeric membrane keyboard with 18 keys and 6 function keys
- ⊕ Selectable display with digit height 13 or 30 mm
- ⊕ Functions and graphics are flexible and can be customized.
- ⊕ Selection of 6 operating languages (German, English, Italian, French, Spanish, Portuguese).
- ⊕ Programming and adjustment via PC to the network
- ⊕ CE approved, authorized by PTB

Power supply	
Power supply	12 VDC / 3 A
External power supply	L+N+R 110 - 240 Vac (-15% … +10%) 1,8 A; 50 - 60 Hz; Max. 60 W
Earthing system	Equipotential bounding for weighbridge
Scales	
Analogue Digital 2 analogues in multiplexing	1 1 Optional
Weight repeater	Yes
Analog scale	
Connectable load cells	12 analogue cells of 350 ohm
Minimum impedance	29 ohm
Load cell power supply	5 VDC
Internal resolution	1 000 000 points with 10 Hz
Resolution for approved version	Two ranges of 4000, three ranges of 3000
Maximum input	30 mV
Sensitivity	0.5 µV/division
Full Scale Stability	< 5 ppm/°C
Zero point stability	< 5 ppm/°C
Digital scale	
Connectable load cells	12 digital load cells
Load cell power supply	10 ÷ 15 Vdc
Internal resolution	200 000 points @ 25 conv/s
Resolution for approved version	Two range of 4000, 3 range of 3000
Environmental characteristics	
Compensated temperature range	from -10 up to + 40 °C
Operating temperature range	from -10 up to + 40 °C
Maximum humidity	85% @ 40 °C
IP Protection rating	ABS version and Stainless steel version with connectors: Direct Outputs IP20 and frontal protection IP65. Stainless steel with cable glands IP69K
Video Keyboard	White LED backlight display Membrane keyboard with 18 keys

Communication ports

USB Client	1
USB Host	1
Serial ports	1 RS232; 1 RS232 / RS422 / RS485
Input- Output	2+2
Memory	
MPP-Memory optional	1
Expansions	
Slots for optional cards	2

Optional - Cards

⇛ Serial option card RS232, RS422 / RS485 opto-isolated format
⇛ PROFIBUS DP expansion card
⇛ EtherNet / IP expansion card
⇛ Analogue output card 0-10V / 4-20 mA
⇛ WiFi Card 10/100 Mbit / sec
⇛ Ethernet Card 10/100 Mbit / sec
⇛ Expansion memory MPP
⇛ LED light bar (only for IP69K)

LED Light Bar (only for DD700i)
Display of the values used for calculating the limit values, in division.
The values for calculating the limit values can be modified and can be expressed in division or in percent.
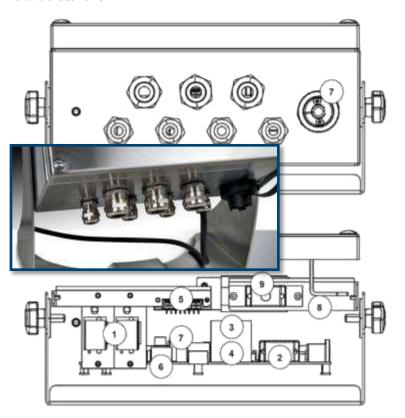

The bar consists of 14 LED displays:

⇛the red displays show the weights which are significantly lower respectively higher than the range.
⇛ the yellow displays show weights which are lower respectively higher than the range.
⇛ the green displays show weights which are within the range.
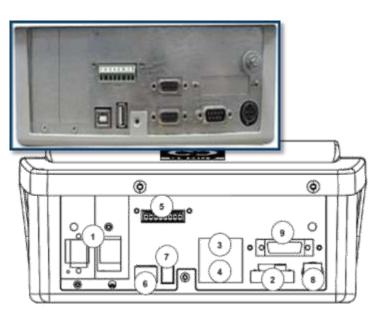
Bottom side of the terminal DD700I with cable glands
external view (see picture above) and
interior view (see picture below)

Legend:

1. Slot for optional cards
2. Scale 1
3. Port COM2
4. Port COM1
5. Terminal strip I/O
6. Port USB Client
7. Port USB HOST
8. Supply 110/240 Vac
9. Scale digit. (Opt.) or 2. analogue scale in multiplexing (Opt.)

Bottom side of the terminals DD700 ABS and DD700IC with connections

Legend:

1. Slot for optional cards
2. Analogue Scale 1
3. Port COM2
4. Port COM1
5. Terminal strip I/O
6. Port USB Client
7. Port USB HOST
8. Supply 12 V (via external power supply 110÷240 VAC)
9. Scale digit. (Opt.) or 2. analogue scale in Multiplexing (Opt.)

-Subject to technical modifications -