

IDTB 650

Multifunctional and multi-channel terminal weight indicator



Description

Weight station terminal compatible with all analog load cells, optimised for ARPEGE MASTER K digital load cells.

This terminal combines two command modules:

- Data display module
- Expansion board and weight measurement module (1 to 4 board capacity)

The large graphic display offers a very pleasant and user friendly experience.

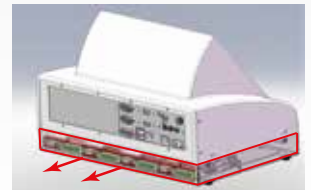
- 8.4 inch color graphic display, with 800 x 600 pixel resolution
- Resistant touch screen monitor that works with gloves with quick access menu icons

AZERTY or QWERTY keyboard and mouse for PC available

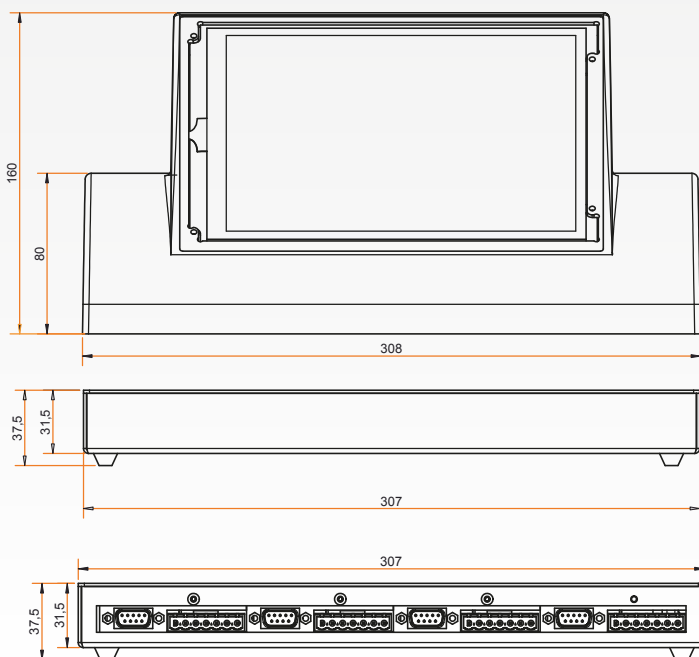
Scalable programme media library (please see program factsheet).

The external weighing unit - or transmitter - can handle up to 4 weighing board at the same time, both analogue and/or digital (compatible with all ARPEGE MASTER K digital and analogue load cells on the market). It can be moved and used up to 1000 meters away from the data entry module. This expansion module is separate from the display.

The IDTB 650 is available in a stainless steel version (dimensions: 280 x 225 x 120 mm).

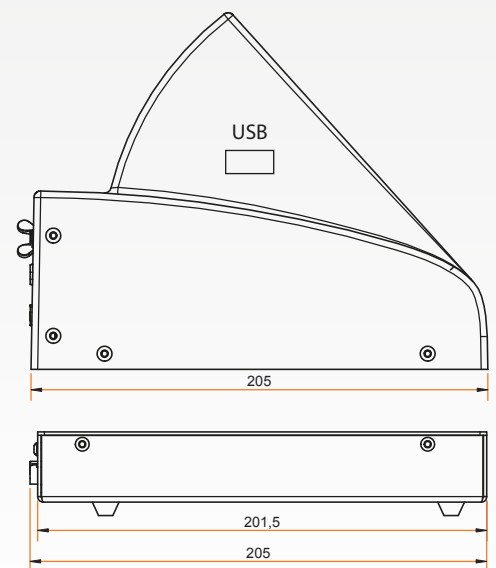


Plan/Size



Front panel

Back panel



Left side

Dimensions in mm

Characteristics

GENERAL CHARACTERISTICS

Power supply	12 VDC with power pack 230 VAC / 50 Hz or 60 Hz + ground < 5 Ω	
Power supply (Direct Current)	12 VDC	
Consumption	70 VA max	
EMC (Electromagnetic Compatibility)	EN 45 501 / OIML D11 / OIML R76 (2006) approved	
Electromagnetic environment classification	E2	

Version (by Measurement Channel)	Analog	Digital
Output current	5 V Alternative Current	12 V Direct Current
Impedance load/maximum current	≥ 43 Ω	750 mA
Application temperature	-10 ° / + 40 ° C	-10 ° / + 40 ° C
Storage temperature	-20 ° / + 60 ° C	-20 ° / + 60 ° C

METROLOGICAL CHARACTERISTICS (OIML R76/2006 MAA - Transmitter)

Maximum weighing capacity	10, 000 e / Class III	
Internal value	100, 000 max. precision (tenths)	
Minimum input voltage per scale interval	0.5 μV	
Measurement speed	60-180 measurements per second	

NON-COMPLIANT METROLOGICAL CHARACTERISTICS (transmitter)

Maximum weighing capacity	50,000 e	
Internal value	1/10 e (500,000 max. precision)	

Advantages

- ▶ Independent measuring transmitter, with the RS485 serial communication port
- ▶ 4-channel weight transmitter for analogue and/or digital load cells
- ▶ Autonomous, transparent and open electronic system that is easy to manage
- ▶ User-friendly display (graphic touchscreen)
- ▶ Integrated CCTV management



Connections and peripheral devices

Terminal communication & network ports:

- 3 serial communication ports:
 - COM1: RS232 or RS485
 - COM2/COM3: RS232
- 5 USB interfaces (keyboard, key, printer, IT peripheral devices...)
- 2 Ethernet ports
- 1 standard VGA output (as an option, please contact us)
- Video input managed by Ethernet port (ex: saving to memory the image of a machine or product with its weight).

Communication Port for Weight Measurement and Expansion Card Module (4 max. boards)

- 1 input for analogue, load cells
- 1 Bus CAN digital interface: MASTER CAN: digital load cell, remote weight display:
 - RP 15: 15 mm remote weight display
 - RP 75: 75 mm remote weight display
 - RP 75 HL: 75 mm remote weight display with high brightness

• Up to 8 weighing channels possible through adding other measurement tracks

NB: Analog and digital channels can be taken together (depending on the installed software available)
(ex: 1 analogue channel + 1 digital channel)

ARPEGE MASTERK

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