DIVA touchscreen terminal

Description

The DIVA touch screen terminal features a user-friendly display that truly facilitates the weighing process for the machine operator. It can easily display messages, perform alphanumeric data entry, select items from a drop-down menu, read digital badges and print weighing labels.

Characteristics

General Characteristics:

This DIVA terminal is autonomous: the data entry and weighing process can both be managed directly via the interface display, without a computer. This terminal combines two command modules:

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

An evolving collection of programs (please see the program factsheet).

The expansion board weighing unit (or transmitter) can handle up to 4 expansion boards at a time, both analogue and/or digital (compatible with all analogue load cells on the market, and with Arpege Master K digital load cells).

Technical Characteristics:

- 15" LCD screen with high brightness display (304 x 228 mm)
- 1500 cd/m² Brightness level (the most powerful available on the market)
- Maximum resolution of 1024 x 768 (depending on the programme)
- Resistant touchscreen monitor (works with gloves), with anti-reflective coating
- Waterproof rating of IP65
- Can read the following digital badges:
    - RFID1
    - RFID2
    - Bar codes
- Laminated, polyester case in the color RAL 9016
- Central command to control gates, traffic lights…
- Secure door with lock that allows easy access to replace paper
- 40-column thermal printer with built-in automatic ticket cutting feature
- Tamper-proof ticket container (making it impossible to rip out the ticket before it is completely cut to spec)
- Spool frame that allows for wide paper format printing (180 meter-long spool)
- Built-in heating system

GENERAL CHARACTERISTICS

Power supply	230 V$_{AC}$ / 50 Hz or 60 Hz + ground < 5 Ω
Consumption	90 W
EMC (Electromagnetic Compatibility)	EN 45 501 / OIML D11 / OIML R76 (2006) standards
Electromagnetic environment classification	E2

Measurement channel*	Analog	Digital
SignalOutput signal	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 CHARACTERISTIC (OIML MAA R76/2006 approved transmitter)

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

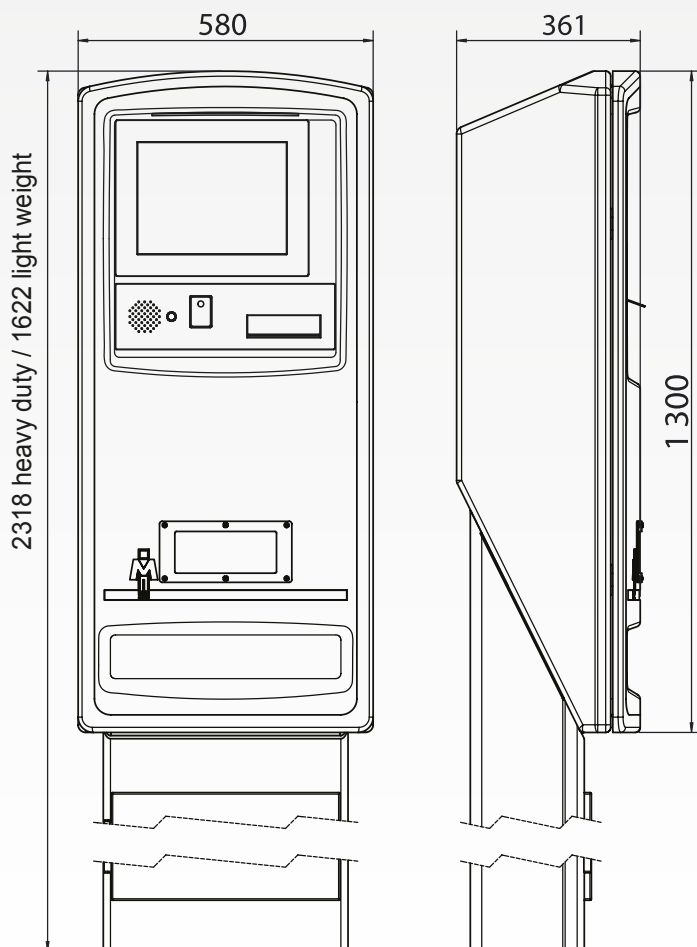## NON-COMPLIANT METROLOGICAL CHARACTERISTICS (transmitter)

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

Ask Arpege Master K for the IDe 150

Advantages

➤ Graphic touchscreen display with a high degree of brightness

➤ Built-in video controller

➤ High-speed thermal printer

➤ Enlarged container with enough room to allow for additional equipment (modem, router, weight indicator…)
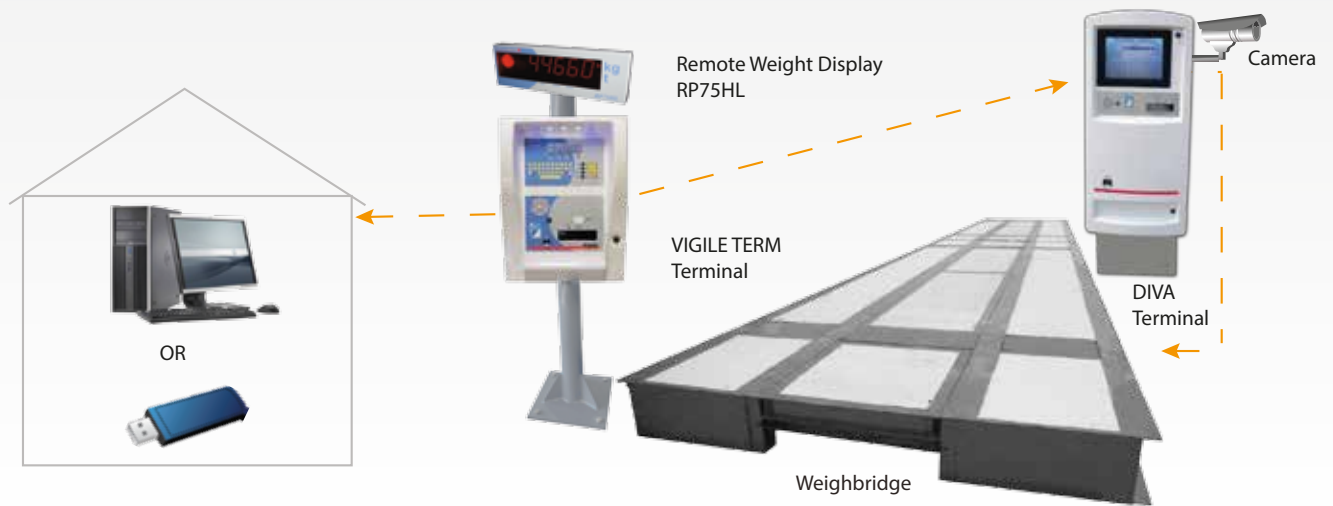
Plan

580

361

2318 heavy duty / 1622 light weight

1 300

Dimensions:

➤ Heavy Duty: 580 x 2318 mm (h)

➤ Light Weight: 580 x 1622 mm (h)

➤ Size: 1800 x 800 x 800 (h x p x l)

➤ Weight: 75 kg

Dimensions in mm

Remote Weight Display
RP75HL

Camera

VIGILE TERM
Terminal

DIVA
Terminal

OR

Weighbridge

Options/Accessories

Options:

➤ Dual digital badge reader (same technology for RFID & bar code badges)

➤ Climate control for use at more than 40°C

➤ Integrated kit with weight indicator within terminal (replaces the weight measurement module)

➤ Module to monitor Inputs/Outputs to control security and firewall settings

Accessories:

➤ Pole mount (RAL 7001) Light-Duty Vehicles (LDV) or Heavy Goods Vehicles (HGV) equipped with dowels.

Connections and peripheral devices

Terminal communication & network ports:

- 3 serial communication ports:
    - COM1: RS232 or RS485
    - COM2/COM3: RS232
- 4 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).
- Input/Output Module

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

- 1 input for analogue load cells
- 1 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 and two-colored scheme
- 8 weighing channels options possible by addition of measurement channels
    - NB: Analogue and digital channels can be taken together (depending on the installed software available)
    - (ex: 1 analogue channel + 1 digital channel)

Our product factsheets
are available for download
at our website
www.masterk.com

Your contact information