# 1700 I 700 weighing terminal

# Electronic characteristics

- ▼ LCD screen, 10.4 inches, 800 x 600 pixels (SVGA). 16.2 million colours, back lit.
- Resistive touch pad.
- ▼ ATOM Intel processor, 1.6 Ghz.
- Static disk capacity: 4 Go.
- ▼ RAM: 1 Go.

...300.000.

0.5 µV

200.000

5 V DC

2 mV/V

1245 Ω

150 m

0 mV

12 mV

7 to 120

HML

 $58 \Omega$ 

.Screened 4/6 core

... Push-in terminals

ML

III or IIII

1.000

2

10.000 30.000

24 V dc

1

1

12

Operating system: Windows Embedded Standard.

# Input/Output card option

 6 voltage-free logical inputs including one analogue input and one multi-function input (watchdog, filtration or rapid

Input impedance	$7.5~\mathrm{k}\Omega$
Input voltage	6 - 30 V dc

- ▼ 6 isolated logical outputs: Max. current ...
- 125 mA Max. voltage ... 48 V dc  $25\Omega$
- ▼ 1 analogue output 4-20 mA (weight information or any other) information transmitted via the field bus).
  - Impedance ......  $50 - 350 \Omega$

# Metrological approval

- Compliant with the European Directive relative to Non Automatic Weighing Instruments (NAWI). 6.000 range (mono or bi-range) and 3.000 range (multi-
- Compliant with the MID European Directive relative to Automatic Weighing Instruments (AWI)
- Checkweighers: classes XIII(1) and Y(a).
- Continuous totalisers (dynamic weighing): classes 0.5 and 1.
- Discontinuous totalisers (static weighing): classes 0.25, 0.5,

# **C** € Conformity

- ▼ Compliant with European Directive relative to Electromagnetic Compatibility.
- Compliant with European Directive relative to Low Voltage equipments.

# Temperature range:

Max. number of load cells per channel

Environmental characteristics

**Technical characteristics** 

Metrological characteristics

Analogue measuring interface

(Outside legal metrology)

· Nominal power supply ......

• Minimum impedance .....

Maximum impedance ......

· Maximum cable length .....

· Minimum dead load signal ......

• Maximum effective signal .....

▼ Number of measurements available

Digital measuring interface (Pmnet)

Input per division

Number of divisions .

▼ Load cell connection:

• Sensitivity ...

 $(0.68 \text{ mm}^2)$ 

Connection

per second

Class III

Class IIII

Supply voltage

▼ Load impedance

Number of channels

Adjustable filter settings

Accuracy class (ML only)

Maximum number of steps:

Maximum number of ranges

Number of physical channels

▼ Pi error distribution factor

Cabling .

▼ DSD Max. number of records ........

Operation	-10°C/+40
• Storage	-20°C/+60
Sealing (stainless steel case)	IP 66
Sealing (rack mounting)	IP 20 (IP65 front
nanoli	•

### Electrical characteristics

Mains voltage	230 V ± 10%
Frequency	50 Hz ± 2%
Power consumption	150 VA max.

### Your specialist

Power supply

Illustrations are not contractual. Precia-Molen reserves the right to alter the characteristics of the equipment described in this

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# General description

The I 700 is a freely programmable weighing terminal combining the performances of a PC type micro-computer with the characteristics of a weight indicator approved for non-automatic or automatic weighing

Its colour graphic touch screen provides unique ergonomics for industrial

Its operating system, Windows Embedded Standard, allows the 1700 terminal to be used as a production tool, which can be easily integrated within the company's IT architecture.

The use of a full scale data base ensures integrity and performances rarely found on this type of device.

The I 700 terminal is extremely modular, enabling adaption to the requirements of the workstation and future developments:

- Management of 1 to 31 scales with analogue or digital sensors
- · High capacity static hard disk
- Serial ports
- USB sticks Analogue outputs
- Logical I/O
- Ethernet ports

For more rapid data input, the I 700 terminal may be equipped with a PC type external keyboard and a bar code scanner.

The I 700 terminal is equipped with a library of professional applications:

- ▼Labelling group
- Checking prepacked statistics
- Manual formulation / weighing unit

and specific applications may be developed by us in line with your speci-

## Available models

The I 700 Terminal is available in two versions:

- ▼I 700 S: Stainless steel case
- ▼I 700 C: Rack mounting

# 1700-S Stainless steel case

### Standard equipment

- One USB 2 port, for USB memory stick provided (type A sealed
- DSD (Data Storage Device)

### **Options**

### Measurement

- 1 to 2 analogue or numerical internal scales, PMNet (sealed output on PE, spring type)
- Extension for up to 31 external scales on CAN bus

• 1 to 4 USB 2 port(s) (type A sealed connector)

• 1 to 3 serial RS port(s) 232, RS 422 or 485 (Din 8 pts, sealed)

• 1 to 2 port(s) Ethernet 100 Mbits, (sealed PE output, 10 m cable supplied with RJ 45 connector)

### Go/no-go and 4-20 mA inputs/outputs

- 1 to 2 internal cards, each comprising:
- 6 numerical inputs/6 numerical outputs
- One 4 20mA analogue output
- Other Input / Output available on external CAN bus

- External AZERTY or QWERTY keyboard
- Barcode scanner

# Mechanical accessories

- Table base
- Wall mounting

# I 700-C Rack mounting

### Standard equipment

- 4 USB 2 ports (type A connectors)
- 2 Ethernet 100 Mbits ports (RJ45 connectors)
- 3 serial RS ports 232, RS 422 or 485 (Sub D 9 pts M)
- DSD (Data Storage Device)

# **Options**

- 1 to 2 analog or numerical scales, PMNet (spring type)
- extension for up to 31 external scales on CAN bus

# Go/no-go and 4-20 mA inputs/outputs

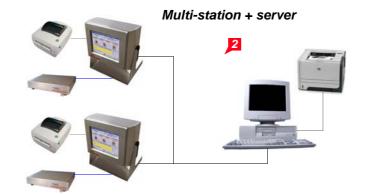
- 1 to 2 cards, each comprising:
- 6 numerical inputs/6 numerical outputs - One 4 - 20mA analog output
- Other Input / Output available on external CAN bus

- Sealed USB 2 connector to be integrated in the cabinet front (USB memory stick supplied
- External AZERTY or QWERTY keyboard
- Barcode scanner

# **Configurations**

# Single station



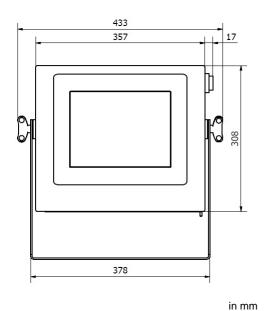


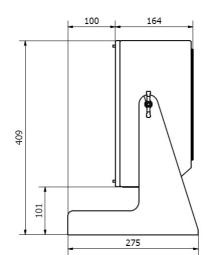
- 1. Independent station, two-way transfer of data via a USB stick. 2. 1700 terminals integrated in the company network: transfer of information from the server to the weighing stations and recovery of weighing results.

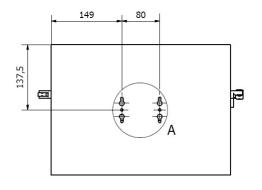
# **Physical characteristics**

Stainless steel casing version

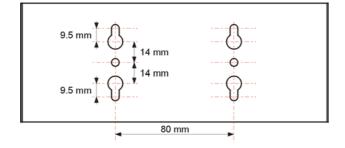
### Dimensions with table base







# Mounting bracket

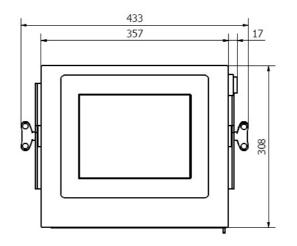


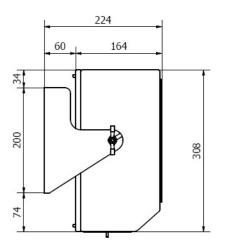
# Weight

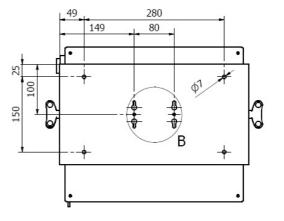
- Case only: 6 kg approx.
- Table support: 3.9 kg

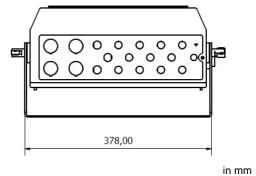
# **Physical characteristics**

### Dimensions with wall attachment







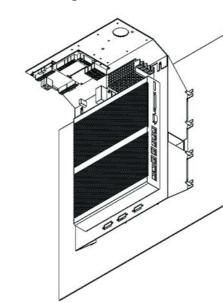


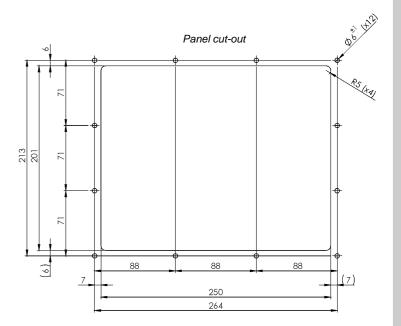
Panel cut-out

# Weight

- Case only: 6 kg approx.
- Wall mounting: 2.5 kg

# Rack mounting version





### Weight

• 5 kg approx.