

IDe 500 Indicator



Description

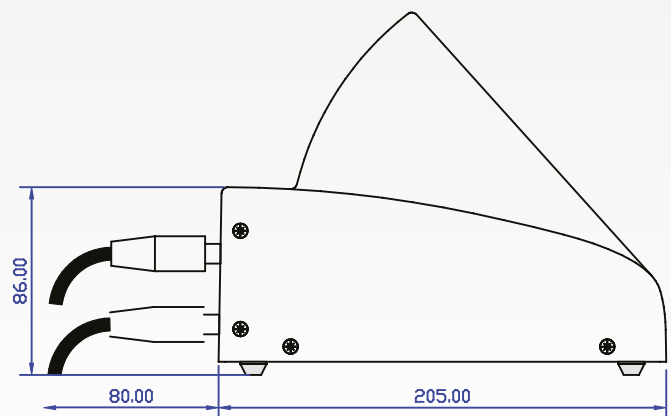
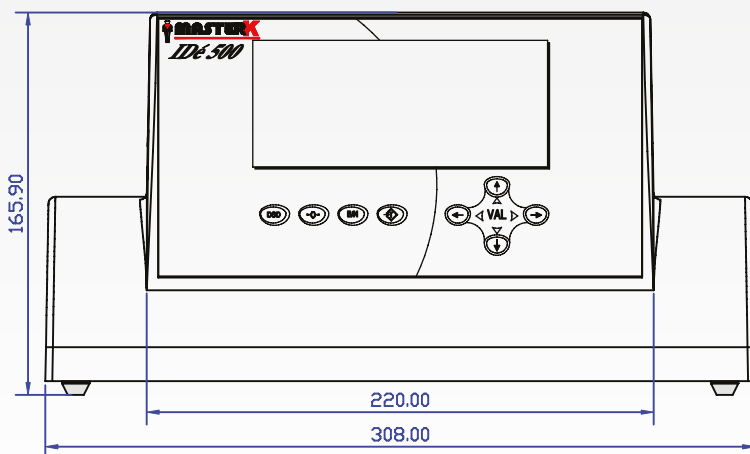
Weighing terminal compatible with all analogue strain gauge load cells, optimised for use with ARPEGE MASTER K digital load cells.

This indicator has a large graphic LCD display (119 x 80 mm) providing the user with unique ease of use.

- 240 pixels by 128 pixels LCD display made up of the weight expressed in 6 digits of height 15 mm and an operator guide
- Integrated keyboard with 4 metrological keys and 5 cursor control and confirm keys
- Standard external PC keyboard with shortcut keys for weighing functions

Storage capacity > 75,600 records (including Data Storage Device = alibi memory of 65,500 weighing operations)
 Management of 9 files with description in memory and 4 additional data fields not stored in the memory for providing additional information on the weighing operation.
 Configurable weighing tickets.

Plan / Size



Dimensions in mm

Characteristics

GENERAL CHARACTERISTICS

Power supply	Main voltage 230 V – 50 / 60 Hz + ground < 5 Ω
Direct current supply	12 Vdc (or 24 Vdc optionally available)
Consumption	15 to 25 VA max
EMC (Electromagnetic Compatibility)	According EN 45 501 + OIML D11 standards
Analogue load cell power supply	7.5 VAC square wave signal
Load impedance (analogue load cells)	≥ 45 Ω
Operating temperature	- 10 / + 40 °C
Storage temperature	- 20 / + 60 °C
DSD capacity	65,500 weighing operations
Indicator weight (kg)	2.8
Packaging (cm)	50 x 30 x 30
Package weight (kg)	3.6

LEGAL-FOR-TRADE CHARACTERISTICS

Maximum weighing accuracy	6,000 scale
Internal resolution	1/10th scale division (max 60,000 tenths)
Divisions / class III Minimum recommended voltage step	0.75 μV
Measurement speed	60-180 measurements per second

CHARACTERISTICS OUTSIDE LEGAL METROLOGY

Maximum weighing accuracy	50,000 scale divisions
Internal resolution	1 / 10 th scale division (max 500,000 tenths)

Advantages

- ▶ Standalone electronics with a large capacity of memory (75,600 records)
- ▶ User-friendly interface (graphic display and PC keyboard)
- ▶ Simple loading operations through its input / output board
- ▶ Standalone management of weighbridge self-service terminals

Connections and peripheral devices

Direct command of extraction devices (I / O option):

- 4 I / 4 O board

Two types of input / output allocation:

Type 1:

- O1: Low threshold
- O2: Weighing completed
- O3: Entry weighing completed
- O4: Exit weighing completed

Type 2:

- I1: Resume paused cycle
- I2: Authorisation to load
- I3: Pause cycle
- I4: Cancel cycle

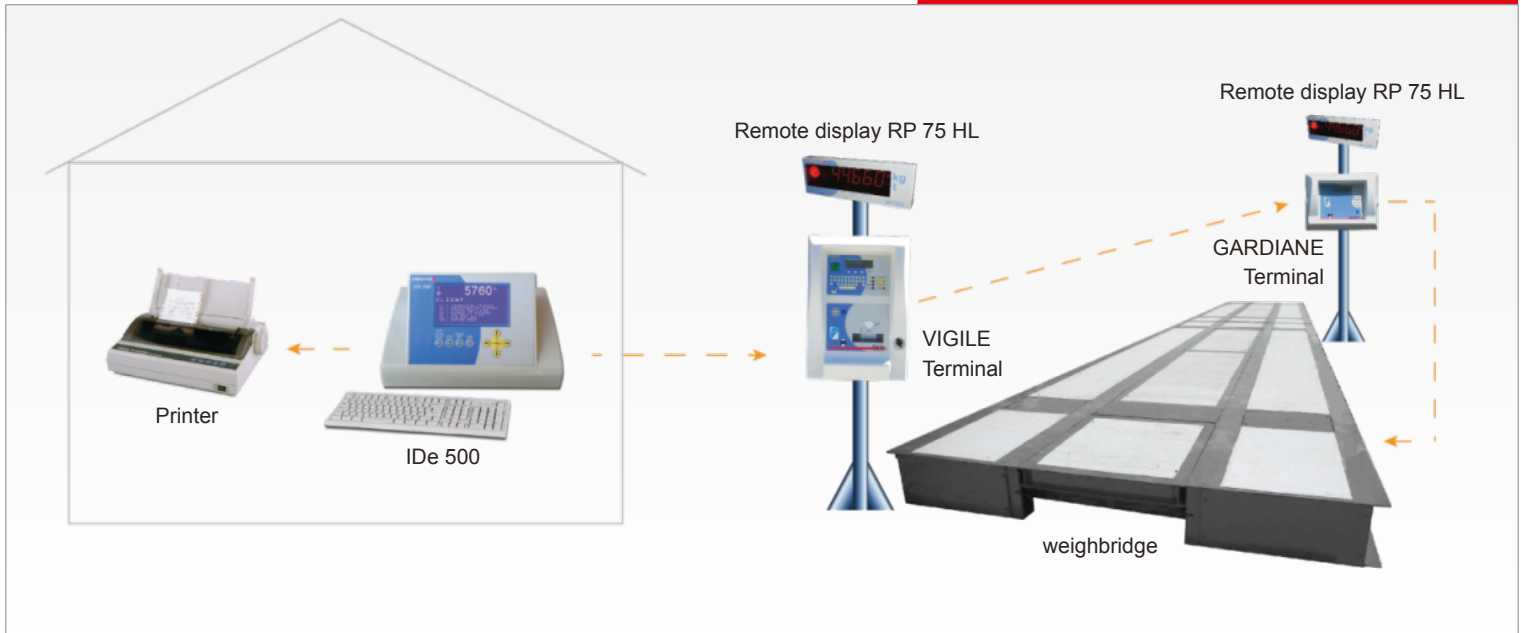
- O1: Low threshold
- O2: End of loading
- O3: High Speed (HS) loading
- O4: Low Speed (LS) loading

Communication Port:

- 1 PS / 2 input standard PC keyboard (AZERTY, QWERTY)
- 2 serial communication ports:
 - COM1: RS232 or RS485 2-wire. (Short distance printer or PC connection: 10 metres max.)
 - COM2: Passive current loop or optionally available RS232, RS485, active current loop, Ethernet.
- 1 parallel port for LPT printer (//)
- 1 slave USB interface: for communication with a PC
- 1 input for analog load cells
- 1 digital interface: MASTER CAN: Digital load cell(s), Weight repeaters RP 15, RP 75, RP 75 HL, VIGILE TERM / GARDIANE terminal

Peripheral device management:

- Fully-autonomous control of two terminals maximum per weighbridge (1 or 2 VIGILE TERM or GARDIANE terminals)
- Available default printers: ILA 800 (80-column listing printer), IBA 40 (40-column strip printer)
 - USB flash drive (option)



Features

The IDe 500 indicator with Weighbridge software has been designed to provide advanced and standalone weighing functions on scale or weighbridge.

Its software allows truck loading operations to be carried out (I/O optional board required).

Management

The Weighbridge / Scale software offers:

- 6 files for the weighing operations
- 1 file of initial weighing operations
- 2 numeric references of 6 digits length
- 2 alphanumeric references of 16 characters length
- 4 weighing modes:
 - Manual tare
 - Semi-automatic tare
 - File tare
 - Double weighing (Entry / Exit)
- Standard or customised ticket layout.
- Totalling to file 1 (simple totals, file 1 / file 2 cross-total, file 1 / file 3 cross-total, and list of weighing operations)
- Totalling to file 2 (simple totals, file 2 / file 3 cross-total)
- Totalling to file 3 (simple total, file 3 / file 2 cross-total)
- A DSD memory of the last 65,500 weighing operations (DSD file)
- A file of the last 2,300 weighing tickets
- Addition of a 4 I / 4 O board (option) enables a product to be loaded on the scale in gross or net at two speeds or the management of access control traffic lights.

The 9 files:

The filenames may be programmed
All the files may be renamed by user

File 1 :

Name: 16 characters maximum
Size: 2,500 records
Structure: - 6-digit call code
 - 21-character name

File 2 :

Name: 16 characters maximum
Size: 1,000 records
Structure: - 3-digit call code
 - 21-character name

File 3 :

Name: 16 characters maximum
Size: 1,000 records
Structure: - 3-digit call code
 - 21-character name

File 4 :

Name: 16 characters maximum
Size: 1,000 records
Structure: - 3-digit call code
 - 21-character name

File 5 :

Name: 16 characters maximum
Size: 1,000 records
Structure: - 3-digit call code
 - 21-character name

Fixed tare file:

Size : 950 records
Structure : - 10-character reference
 - 5-digit tare value
 - 5-digit GVWR value
 - 6-digit file 1 code
 - 3-digit file 3 code
 - 3-digit file 4 code
 - 3-digit file 5 code
 - 6-digit data field 1
 - 6-digit data field 2
 - 16-character data field 3
 - 16-character data field 4

Data Storage Device file:

Size : 65,500 records
Structure : - 6-digit DSD no
 - 8-digit weighing date
 - 4-digit weighing time
 - 5-digit gross weight
 - 5-digit tare value
 - 5-digit net weight
 - 10-character vehicle identification number
 - 6-digit file 1 code
 - 3-digit file 2 code
 - 3-digit file 3 code
 - 3-digit file 4 code
 - 6-digit data field 1
 - 1-digit weighing status

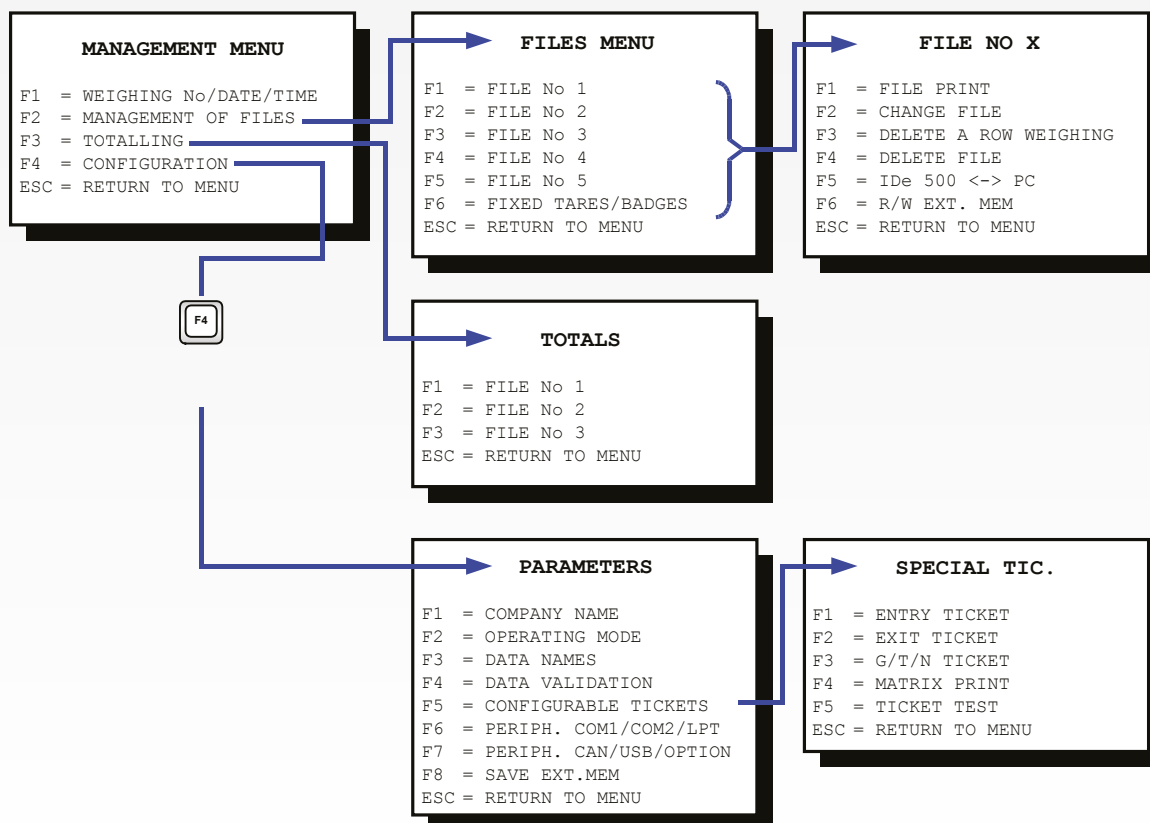
Mobile tare file (vehicles which have entered and not left):

Not accessible during configuration, this file is used if double weighing mode has been selected.
Size : 350 records

Tickets log:

Size: last 2,300 weighing tickets
Structure : - 6-digit DSD no
 - 8-digit vehicle entry date
 - 4-digit vehicle entry time
 - 8-digit weighing date
 - 4-digit weighing time
 - 5-digit gross weight
 - 5-digit tare value
 - 5-digit net weight
 - 2-character weighing type
 - 10-character vehicle number
 - Code and description of file 1 - 6 digits + 21 characters
 - Code and description of file 2 - 3 digits + 21 characters
 - Code and description of file 3 - 3 digits + 21 characters.
- 6-digit data field 1
- 6-digit data field 2
- 16-character data field 3
- 16-character data field 4

Access by tree-structured menu



File printing (example)

```

CLIENT

DATE :10/05/2011      HEURE : 12.15
-----
: 000000 :DIVERS CLIENT      :
: 000001 :CLIENT N1                :
: 000002 :CLIENT N2                :
  
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```

TARES FIXES

DATE : 10/06/2011      HEURE : 15.31
:CODE TARE : TARE : PTAC :BADGE : F1 : F2: F3: F4: F5: DS1 : DS2 :
:          :      :     :    :   :   :   :   :   :   :   :   :
:1234AA69 : 5400kg: 35000kg: 00001:000001:001:001:001:001: 000001: 000002:
:985ACG69 : 8000kg: 35000kg: 00002:000001:001:001:001:001: 000003: 000004:
  
```

Printing of simple or complete weighing ticket

```

MASTER-K ARPEGE

38 avenue des Frères Montgolfier
89 186
69 486 Chassieu Cedex

DATE : 17/05/2005      HEURE : 09h50
DATE : 17/05/2005      HEURE : 09h50
NUMERO DE PESÉE : 000004-E8
NUMERO DU DSD : 000002
VEHICULE No : 789A2M69

BRUT : 46720kg
TARE : 11660kg
NET : 35060kg

Observations:
Signature :
  
```

```

MASTER-K ARPEGE

38 avenue des Frères Montgolfier
89 186
69 486 Chassieu Cedex

DATE : 17/05/2005      HEURE : 09h29
DATE : 17/05/2005      HEURE : 09h29
NUMERO DE PESÉE : 000004-E8
NUMERO DU DSD : 000001

VEHICULE No : 124M0069
TITRE : 000008 GPF Construction
SECURITE : 004 Sable Fin
PERIMETRE : 10T Transpourt
Pev. Traitement : 110505
Superficie en L : 0012.500
Tegurene en L : 0007.500
Chantier : Stock GPF
Pitance : 45 Mm
Opérateur : R. TRORAND

BRUT : 38060kg
TARE : 14440kg
NET : 23620kg

Observations:
Signature :
  
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