IDe 500 Indicator

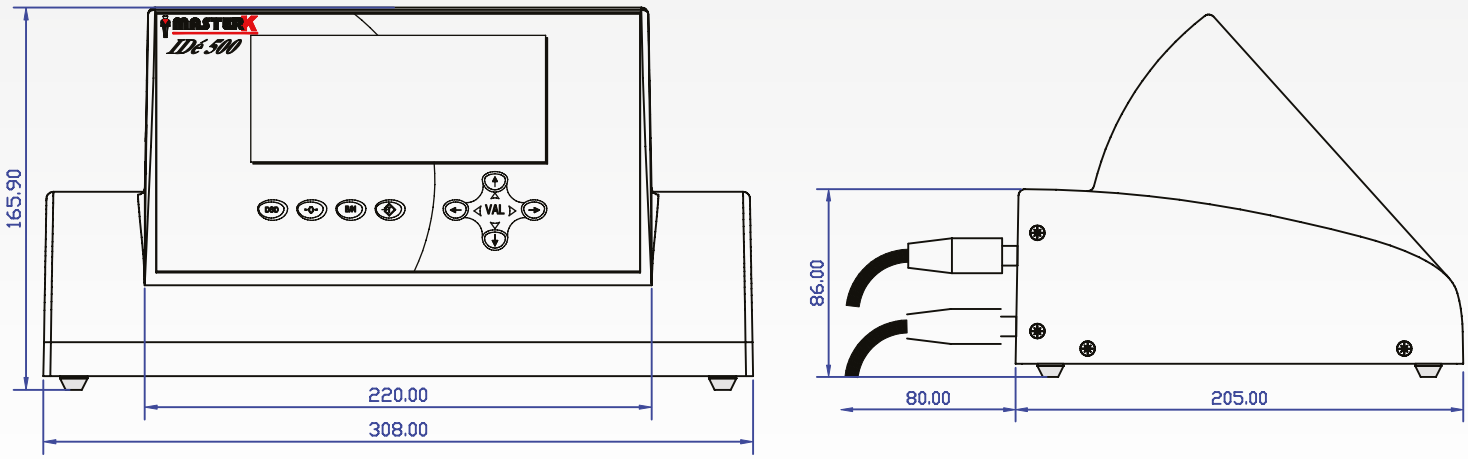
Description

Weighing terminal compatible with all analog strain gauge load cells, optimized 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 unparalleled ease of use.
- 240 pixels by 128 pixels LCD screen 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 items of data (including Data Storage Device = 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.

Schema / Size



Dimensions in mm

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Characteristics

GENERAL CHARACTERISTICS	
Power supply	Main voltage 230 V/50 Hz or 60 Hz + earth < 5 Ω
Direct current supply	12 V DC (or 24 V DC optionally available)
Consumption	15 to 25 VA max
EMC (Electromagnetic Compatibility)	In accordance with standard EN 45 501 + OIML D11
Analogue load cell power supply	7.5 V AC 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
METROLOGICAL CHARACTERISTICS	
Maximum weighing accuracy	6,000 scale
Internal resolution	1/10th scale division (max 60,000 tenths)
Divisions/class III Minimum recommended voltage step	0.75µV
Measurement speed	60-180 measurements per second
CHARACTERISTICS OUTSIDE LEGAL METROLOGY	
Maximum weighing accuracy	50,000 scale divisions
Internal resolution	1/10th 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 terminals

Connections and peripheral devices

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

- 4I/4O 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 CAN 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)

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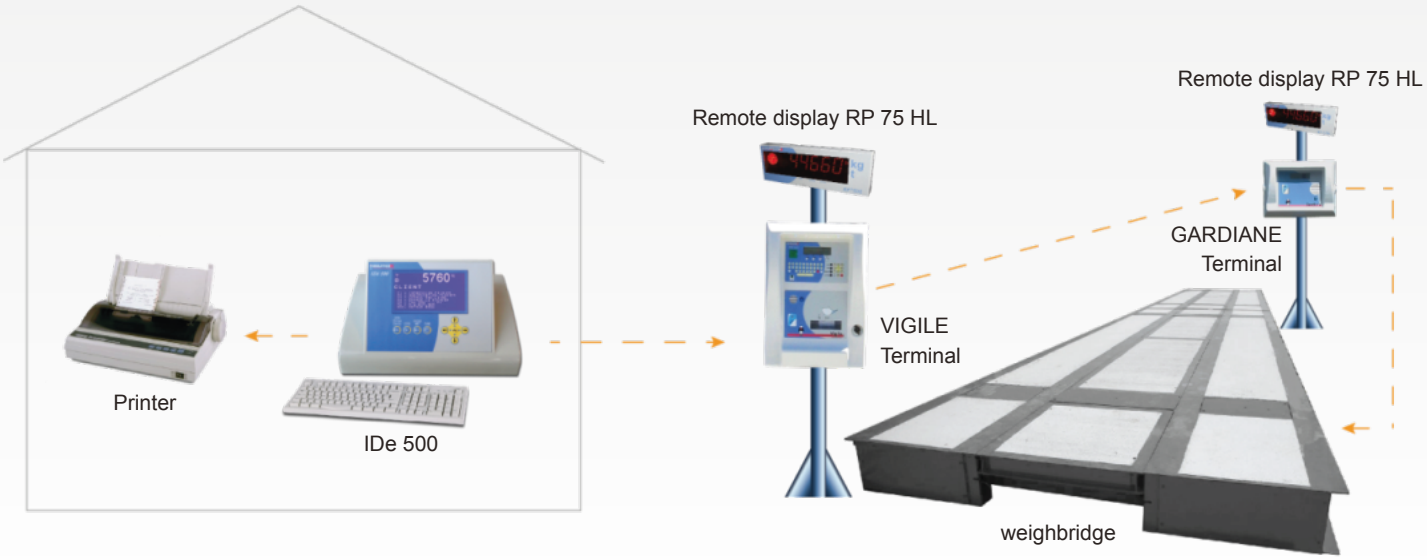
Example of configuration



Software

The IDe 500 indicator with Weighbridge software has been designed to provide advanced and standalone weighing functions on scale or weighbridge.
Its program allows truck loading operations to be carried out (I/O board option required).

Management

The Weighbridge/Scale software offers:

- 6 files for the weighing operations
- 1 file of initial weighing operations
- 2 digital 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 4I/4O 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.

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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 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

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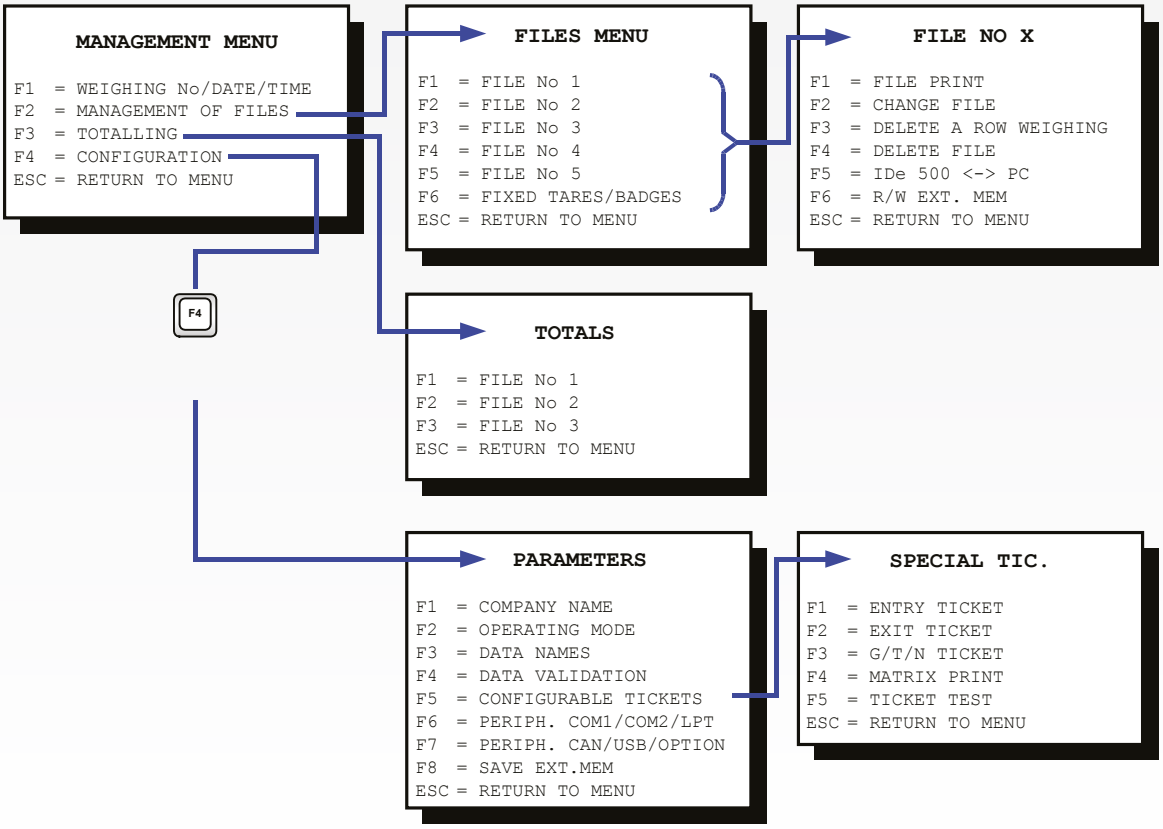
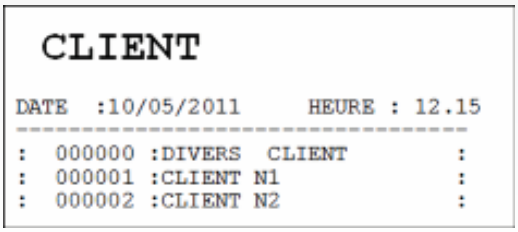
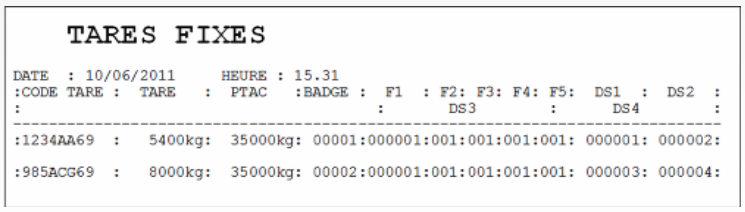
Access by tree-structured menu



File printing (example)





Printing of simple or complete weighing ticket

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Totals

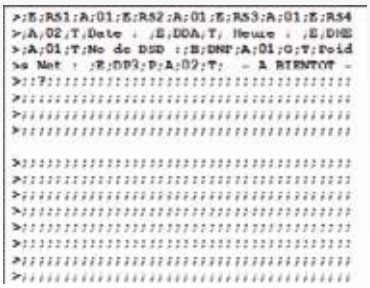
Totalling may be carried out on the main files with optional grouping (e.g. Total weighed by product for each customer, total weighed by carrier for each customer, etc.)

```
        TOTALISATION

F1  = FICHIER No 1
F2  = FICHIER No 2
F3  = FICHIER No 3
ESC = RETOUR MENU PESAGE
```

```
TOTALISATIONS
Date  : 2009/01/06  Heure  : 17:05:54
Client          / Produit
2009/01/06 .. 2009/01/06

000000:DIVERS
| 001|Sable          |      1220 kg|
| Total             =      1220 kg|

000010:Client 10
| 001|Sable          |      2100 kg|
| 002|Gravier        |      1500 kg|
| 003|Roche de rembl |     10600 kg|
| Total             =     14200 kg|

| Total             =     15420 kg|
```

Configurable tickets

Example of matrix:



Corresponding ticket:

```
MASTER-K ARPEGE
38 avenue des Frères Montgolfier
BP 186
69 686 Chassieu Cedex

Date : 17/05/2005 Heure : 11h13
No de DSD :000006
Poids Net :    36300kg

  - A BIENTOT -
```

Save and restore the data on USB flash drive or PC (including configuration of the indicator during installation)

Save of metrological, operational and application settings and parameters only possible on USB flash drive.
Save and restore files (75,600 data items) (Cannot restore DSD/Entry file).

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Our product factsheets are available for download at our website
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SIC registration code: APE 2829A French VAT: FR 28 971 506 480

Your contact information

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