ARPEGE MASTER K

IDe 550 Indicator

CE

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 unparalleled ease of use.
  - 320 pixels by 240 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
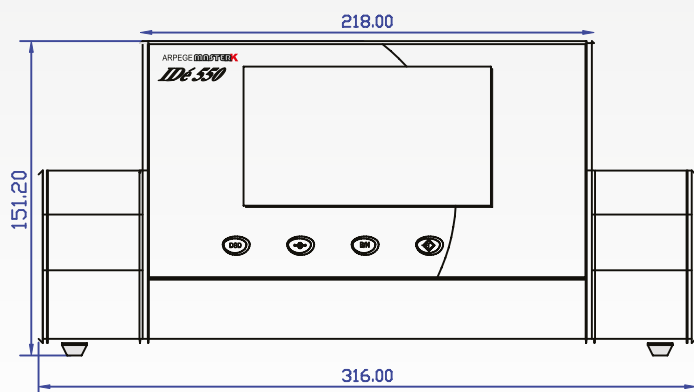 - Standard external PC AZERTY keyboard with shortcut keys for weighing functions

• **Excellent multilingual indicator:**
  - Arab
  - Farsi
  - Chinese
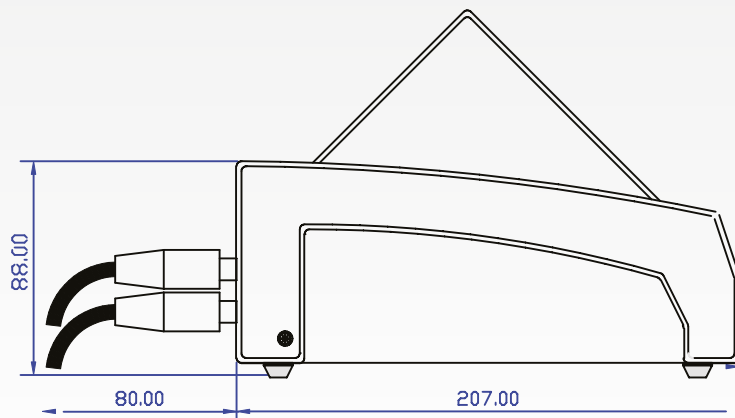 - English
  - French
  - German

• Management of printer driver depending on language chosen

• Two types of calendar (Gregorian and hejrah solar)

• Storage capacity > 30,900 items of data (including DSD = 24,550 weighing operations)

• Management of 10 files with description in memory and 4 additional data fields not stored in the memory for providing additional information on the weighing operation.

• Weighing ticket configurable with basic arithmetical calculation functions.

Plan

IDe 550 front panel

218.00
151.20
316.00

IDe 550 left-hand side

88.00
80.00
207.00

Dimensions in mm

Characteristics

GENERAL CHARACTERISTICS

Power supply	Mains voltage 230 VAC /50 Hz or 60 Hz +
Direct current supply	12 V DC (or 24 VDC optionally available)
earth < 5 Ω 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 VAC square wave
Load impedance (analogue load cells)	≥ 45 Ω
Operating temperature	-10 °/ + 40 ° C
Storage temperature	-20 °/+60 ° C
DSD capacity	24,550 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 rate	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

➤ Multilingual
➤ Standalone electronics with significant management capacity
➤ User-friendly interface (graphic screen and PC screen)
➤ Management of simple loading operations through its input/output board
➤ Standalone management of weighbridge terminals

Connections and peripheral devices

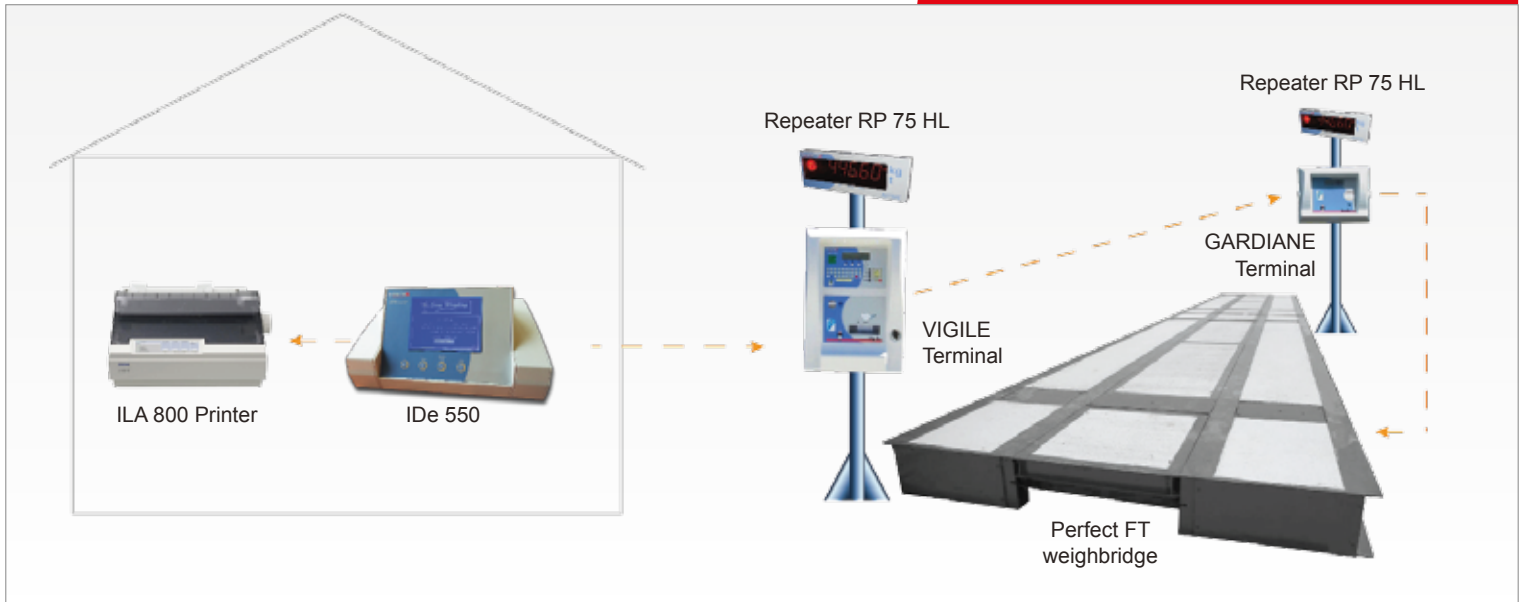**Direct command of extraction devices (I/O option):**

- 4I/4O board
- 4I/4O board + 4-20 mA option (or 0-10 V)
- USB flash drive

Communication Port:

- 1 mini DIN input standard PC keyboard for the language used
- 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 analogue load cells
- 1 CAN digital interface: MASTER CAN: Digital load cell(s), Weight repeaters RP 15, RP 75, RP 75 HL, VIGILE TERM/GARDIANE terminals

Peripheral device management:

- Fully-autonomous control of two terminals maximum per weighbridge (1 or 2 VIGILE TERM or GARDIANE terminals)
- Printers available by default: ILA 800 (80-column listing printer), ILA 410 (80-column listing printer), IBA 40 (40-column strip printer)

ARPEGE MASTER**K**

ILA 800 Printer   IDe 550

Repeater RP 75 HL

VIGILE Terminal

Repeater RP 75 HL

GARDIANE Terminal
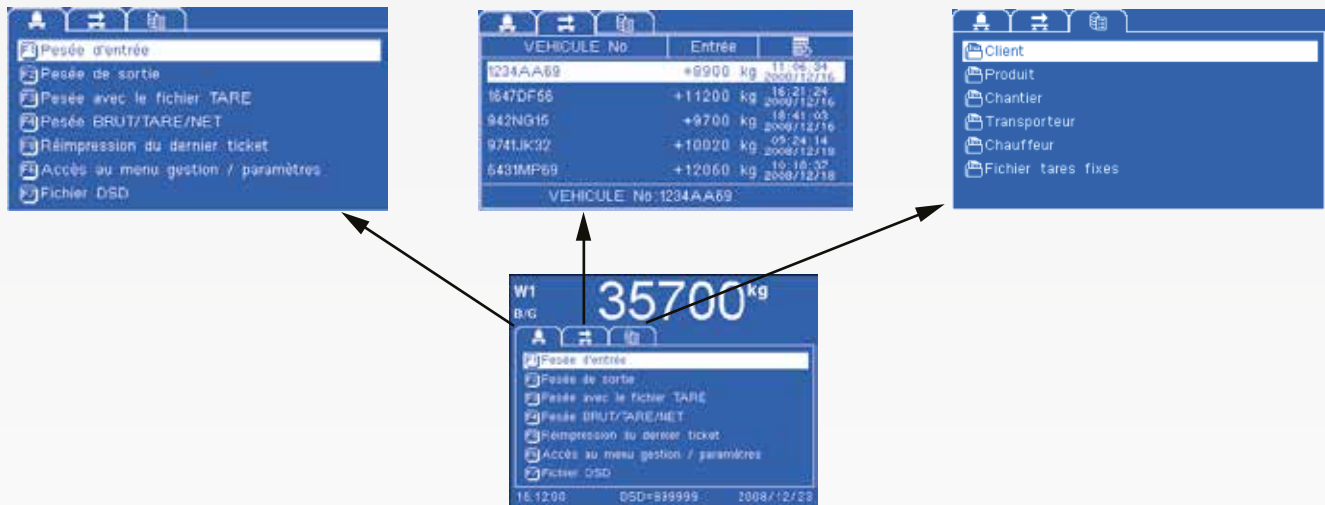
Perfect FT weighbridge

Software

The IDe 550 indicator Weighbridge software has been designed to provide weighing functions on scale or weighbridge. It allows lorry loading operations to be carried out (I/O board option required).

Enhanced user-friendly interface
The menus are arranged in tabs with shortcut keys (F1 = entry weight; F2 = exit weight, etc.)

Management

The Weighbridge/Scale software provides:

- 10 files
- 2 numerical references of 6 digits
- 2 alphanumeric references of length 16 characters
- 2 calculable digital references of length 8 digits
- 4 weighing modes:
  - Manual tare
  - Semi-automatic tare
  - File tare
  - Double weighing (entry-exit)
- Standard or customised ticket layout
- Simple totals over files 1, 2, 3 and 4
- Cross-totals between files 1, 2, 3 and 4
- Control of a 4I/4O board (optionally available), 0-10 V or 4-20 mA

Files:

File 1 :
Name: 16 characters maximum
Size: 1,000 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

Overload file:
This file provides traceability of the last 50 overloads which the load receiver has been able to be withstand.
Size : 50 records
Structure : - 6-digit date
         - 6-digit time
         - overload value

Operator file:
This file is used to manage user sessions.
Size: 10 records
Structure : - 2-digit call code
         - 16-character operator name
         - 4-character session opening code
         - 1-digit user rights (operator or administrator)

Entry weights files (vehicles which have entered but not exited):
Size: 300 records

Fixed tare/badges file:
Size : 1,000 records
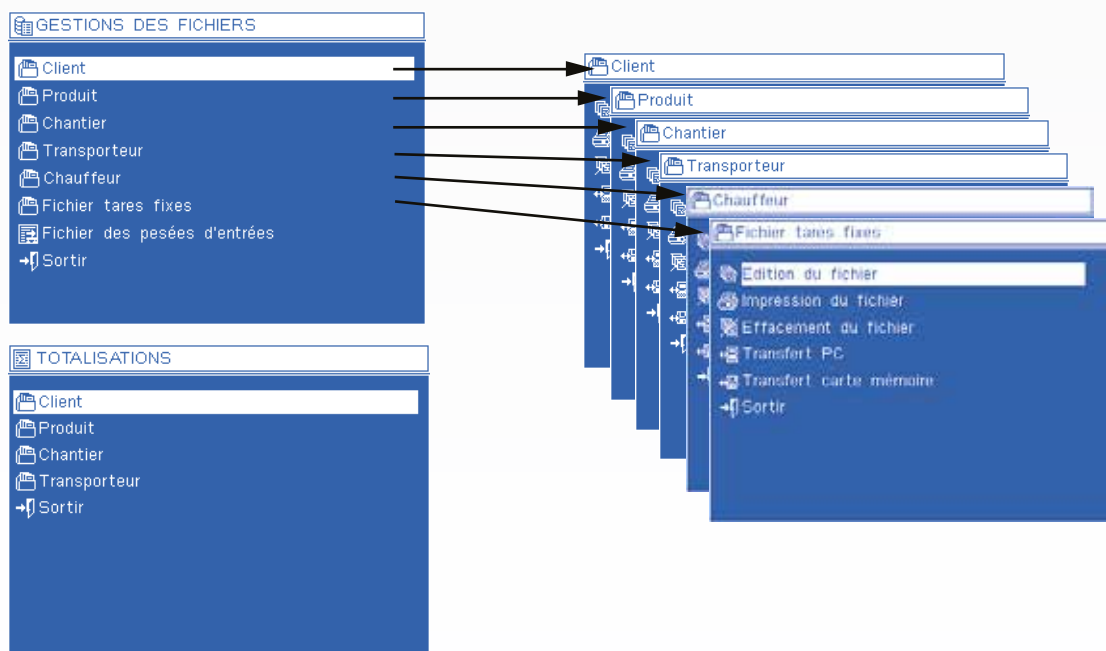Structure : - 10-character reference
         - 5-digit tare value
         - 5-digit badge code
         - 5-digit GVWR value
         - 6-digit file 1 code
         - 3-digit file 2 code
         - 3-digit file 3 code
         - 3-digit file 4 code
         - 3-digit file 5 code
         - 6-digit data field 1 value
         - 6-digit data field 2 value

Data Storage Device file:
Size : 24,550 records
Structure : - DSD No.
         - 6-digit date
         - 6-digit time
         - 10-character vehicle number
         - 6-digit file 1 code
         - 3-digit file 2 code
         - 3-digit file 3 code
         - 3-digit file 4 code
         - 3-digit file 5 code
         - 6-digit data field 1 value
         - 5-digit gross weight
         - 5-digit tare weight
         - 5-digit net weight

Simplified file access

GESTIONS DES FICHIERS
- Client
- Produit
- Chantier
- Transporteur
- Chauffeur
- Fichier tares fixes
- Fichier des pesées d'entrées
- Sortir

TOTALISATIONS
- Client
- Produit
- Chantier
- Transporteur
- Sortir

Client
Produit
Chantier
Transporteur
Chauffeur
Fichier tares fixes
- Edition du fichier
- Impression du fichier
- Effacement du fichier
- Transfert PC
- Transfert carte mémoire
- Sortir

ARPEGE MASTER K

Totals

Printing of simple or complete weighing ticket

Maintenance/configuration mode

Management of operator sessions by password with traceability of operations and authorisation by access level

Easy and user-friendly configuration

Ticket paramétrable
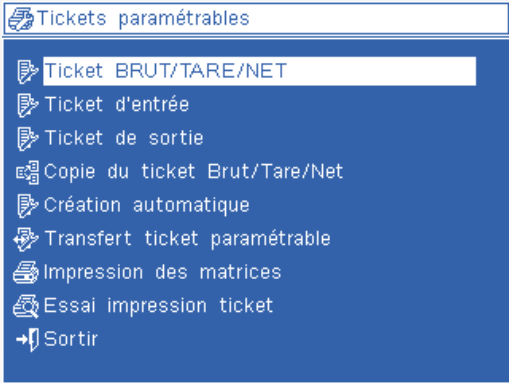
```
🖨 Tickets paramétrables
  ▸ Ticket BRUT/TARE/NET
  ▸ Ticket d'entrée
  ▸ Ticket de sortie
  ▸ Copie du ticket Brut/Tare/Net
  ▸ Création automatique
  ▸ Transfert ticket paramétrable
  ▸ Impression des matrices
  ▸ Essai impression ticket
  ➔ Sortir
```
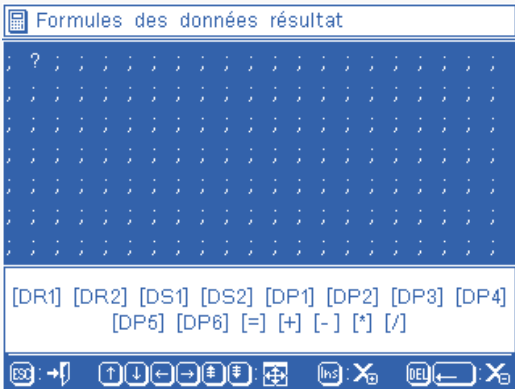
Configuration of ticket with insertion of basic algebraic formulae (e.g. division of total weight into number of bags)

```
🖩 Formules des données résultat
  ; ?  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;
  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;
  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;
  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;
  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;
  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;
  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;  ;
  [DR1] [DR2] [DS1] [DS2] [DP1] [DP2] [DP3] [DP4]
     [DP6] [DP6] [=] [+] [- ] [*] [/]
  ESC :➔  ↑↓←→⇕⇳⊞  Ins :✗  DEL← :✗
```

```
ARPEGE MASTER-K
38 avenue des Frères Montgolfier
BP 106
69 686 Chassieu Cedex

 Date   : 2010/02/09 Heure  : 14:08:58
 Numéro de pesée     : 000011-TM
 Numéro de DSD       : 000006

Véhicule No     :1234 MM 98
Poids sac en kg :0030.50
P.T.A.C. en kg  : 035000
Quantité chargée: 00000698 sac
Taux remplissage: 0000088.0 %

Brut     :    30800 kg
PT       :     9500 kg
Net      :    21300 kg

Observations :
Signature    :
```

Data backup and restore (including configuration of the indicator during installation)

Save of metrological, operational and application settings and parameters possible on USB flash drive.
Save of files (> 30,000 data items) (Cannot restore DSD/Entry/Overload file)Transfer of weighing files for use on PC (text format).

```
TRAITEMENT EN COURS
  ⏳    Récupération
        Enregistrement
        000064 / 000064
```

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

Your contact information