ARPEGE MASTERK

IDe 400 Weighbridge Software



CE

Description

The IDe 400 indicator with Weighbridge software has been designed to provide weighing functions on scale or weighbridge.

Combined with the weighing terminals (VIGILE or GARDIANE), it provides a standalone management solution for a weighbridge.

Its program allows lorry loading operations to be carried out (I/O board option required).

Shortcut function keys (entry/exit weighing, weighing with tare, output of ticket)





Software

Management

The Weighbridge/Scale software has:

- 4 weighing modes:
 - Manual tare
 - Semi-automatic tare
 - File tare
 - Double weighing

6 files

- 3 x 6-digit numerical references
- 3 x 16-character alphanumeric references
- Totals on file 1 (Simple total, file 1 crossed with file 2, file 1 crossed with file 3, and list of weighing operations)
- Totals on file 2, (Simple total, file 2 crossed with file 3)
- Totals on file 3, (Simple total, file 3 crossed with file 2)

The 6 files:

File 1 :

Name: 16 characters maximum Size: 3000 records Structure: - 6-digit call code - 16-character name

File 2 :

Name: 16 characters maximum Size: 3000 records Structure: - 4-digit call code - 16-character name

File 3 :

Name: 16 characters maximum Size: 1000 records Structure: - 3-digit call code - 16-character name

Mobile tare file

(vehicles which have entered but not exited): This file is used if double weighing mode has been selected. Size: 500 records

Fixed tare/Badge file:

- 16-character data field 5
- 16-character data field 6

Data Storage Device file:

Size : 32,500 weighing operations

- Structure : 6-digit DSD no
 - 6-digit date
 - 4-digit time
 - 10-character vehicle number
 - 6-digit file 1 code
 - 3-digit file 2 code
 - 3-digit file 3 code
 - 6-digit value of data field 1
 - 16-character value of data field 4
 - 5-digit gross weight
 - 5-digit tare weight
 - 5-digit net weight



File print (e.g. customer listing ticket)

	C	LIENT		
DA	TE : 10/	05/20 12	HEURE : 12.15	
:	000000 000001 000002	: DIVERS : CLIENT : CLIENT	: N1 : N2 :	

Printing of simple or complete weighing ticket

ARPEGE	/	MASTER-K
38 AVENUE D 69 Tel: 04 72 22	ES FRI 680 CI 92 22	ERES MONTGOLFIER HASSIEU www.masterk.com
DATE : 30/11 DATE : 07/12 NUMERO DE PE NUMERO DU DS VEHICULE No	/2010 /2010 SEE : D : :15	HEURE : 18h48 HEURE : 17h21 000000-ES 000000 92 AA 69
BRUT	:	46720kg
TARE	:	11660kg
NET	:	35060kg
IDe 400 / Merci	Logic: de voi	iel FONT BASCULE tre visite.

ARPEGE	/ MASTER-K
38 AVENUE DES 6968 Tel: 04 72 22 92	S FREFES MONTGOLFIER 80 CHASSIEU 2 22 www.masterk.com
DATE : 30/11/2 DATE : 07/12/2 NUMERO DE PESS NUMERO DU DSD VEHICULE NO CLIENT FRODUIT CHANTIER REF. COMMANDE REF. 3 OFERATEUR REF. 5 REF. 6	2010 HEURE : 18548 2010 HEURE : 17521 EE : 000000-ES : 000000 :1592 AA 69 :000023 GTP CONSTRUCTION : 0002 SABLE FIN : 002 ANTORCUTE ME20 : 001003 : 000003 : 00003 : 000003 : 00003 : 00003
BRUT TARE	: 46720kg : 11660kg : 35060kg
IDe 400 / Lo Merci de	ogiciel PONT BASCULE

	TOTALISATIONS
e total may be simple or crossed.	
totalling for a file	1 =IMP TOT F1 (CLIENT)
totalling for a file	2 =IMP TOT F2 (PRODUIT)
totalling of crossed files	3 =IMP TOT F3 (CHANTIER)
	ESC= RETOUR MENU
General total of file 1 (total weighed by customer)	
Total of file 1 relative to file 2 (total weighed by product for	r each customer)
Total of file 1 relative to file 3 (total weighed by site for ear	ch customer)
I lot of weighing energiane corried out relative to file 2 for	a a a a h raw of file 1
List of weighing operations carried out relative to file 2 for	each row of file 1
 (detail of weighing operations per product for each custor 	mer)
lote: Totalling from date to date, for one code or all codes	
Configurable tickets	
Configurable tickets Example of matrix:	Corresponding print:
Example of matrix:	Corresponding print:
Example of matrix:	
Configurable tickets Example of matrix: >:E:RS1;A;01;E;RS2;A;01;E;RS3;A;01;E;RS4 >;A;02;T;Date : ;E;DDA;T; Heure : ;E;DHE >;A;01;T;No de DSD :;E;DNP;A;01;G;T;Poid	Corresponding print:
Example of matrix: >;E;RS1;A;01;E;RS2;A;01;E;RS3;A;01;E;RS4 >;A;02;T;Date : ;E;DDA;T; Heure : ;E;DHE >;A;01;T;No de DSD :;E;DNP;A;01;G;T;Poid >s Net : ;E;DP3;P;A;02;T; - A BIENTOT -	Corresponding print: MASTER-K ARPEGE 38 avenue des Frères Montgolfier
Seconfigurable tickets Example of matrix: >;E;RS1;A;01;E;RS2;A;01;E;RS3;A;01;E;RS4 >;A;02;T;Date : ;E;DDA;T; Heure : ;E;DHE >;A;01;T;No de DSD :;E;DNP;A;01;G;T;Poid >s Net : ;E:DP3;P;A;02;T; - A BIENTOT - >;?;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	Corresponding print: MASTER-K ARPEGE ³⁹ avenue des Frères Montgolfier ⁵⁹ 186 ⁶⁹ 655 Chanaigu Codex
Seconfigurable tickets Example of matrix: >:E:RS1;A;01;E;RS2;A;01;E;RS3;A;01;E;RS4 >:A;02;T;Date : ;E;DDA;T; Heure : ;E;DHE >:A;01;T;No de DSD :;E;DNP;A;01;G;T;Poid >s Net : ;E;DP3;P;A;02;T; - A BIENTOT - >;?;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	Corresponding print: MASTER-K ARPEGE ³⁸ avenue des Frères Montgolfier ^{BP} 186 ⁶⁹ 686 Chassieu Cedex
Configurable tickets Example of matrix: >:E;RS1;A;01;E;RS2;A;01;E;RS3;A;01;E;RS4 >;A;02;T;Date : ;E;DDA;T; Heure : ;E;DHE >;A;01;T;No de DSD :;E;DNP;A;01;G;T;Poid >s Net : ;E;DP3;P;A;02;T; - A BIENTOT - >;;?;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	Corresponding print: MASTER-K ARPEGE ³⁸ avenue des Frères Montgolfier ^{BP} 186 ⁶⁹ 686 Chassieu Cedex Date : 17/05/2005 Reure : 11h13
Seconfigurable tickets Example of matrix: >;E;RS1;A;01;E;RS2;A;01;E;RS3;A;01;E;RS4 >;A;02;T;Date : ;E;DDA;T; Heure : ;E;DHE >;A;01;T;No de DSD :;E;DNP;A;01;G;T;Poid >s Net : ;E;DP3;P;A;02;T; - A BIENTOT - >;;?;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	Corresponding print: MASTER-K ARPEGE 38 avenue des Frères Montgolfier BP 186 69 686 Chassieu Cedex Date : 17/05/2005 Heure : 11h13 No de DSD :000006
Seconfigurable tickets Example of matrix: >:E;RS1;A;01;E;RS2;A;01;E;RS3;A;01;E;RS4 >:A;02;T;Date : ;E;DDA;T; Heure : ;E;DHE >:A;01;T;No de DSD :;E;DNP;A;01;G;T;Poid >s Net : ;E;DP3;P;A;02;T; - A BIENTOT - >;;?;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	Corresponding print: MASTER-K ARPEGE ³⁸ avenue des Frères Montgolfier ⁸⁹ 186 ⁶⁹ 686 Chassieu Cedex Date : 17/05/2005 Heure : 11h13 No de DSD :000006 Poids Net : 36300kg
Seconfigurable tickets Example of matrix: >;E;RS1;A;01;E;RS2;A;01;E;RS3;A;01;E;RS4 >;A;02;T;Date : ;E;DDA;T; Heure : ;E;DHE >;A;01;T;No de DSD :;E;DNP;A;01;G;T;Poid >s Net : ;E;DP3;P;A;02;T; - A BIENTOT - >;;?;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	Corresponding print: 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
Configurable tickets Example of matrix: >;E;RS1;A;01;E;RS2;A;01;E;RS3;A;01;E;RS4 >;A;02;T;Date : ;E;DDA;T; Heure : ;E;DHE >;A;01;T;No de DSD :;E;DNP;A;01;G;T;Poid >s Net : ;E;DB3;P;A;02;T; - A BLENTOT - >;??;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	Corresponding print: MASTER-K ARPEGE ³⁸ avenue des Frères Montgolfier ⁸⁹ 186 ⁶⁹ 686 Chassieu Cedex Date : 17/05/2005 Heure : 11h13 No de D5D :000006 Poids Net : 36300kg
Seconfigurable tickets Example of matrix: >:E:RS1;A;01;E;RS2;A;01;E;RS3;A;01;E;RS4 >:A;02;T;Date : ;E;DDA;T; Heure : ;E;DHE >:A;01;T;No de DSD ::E;DNP;A;01;G;T;Poid >s Net : ;E;DP3;P;A;02;T; - A BIENTOT - >:;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	Corresponding print: MASTER-K ARPEGE ³⁸ avenue des Frères Montgolfier ^{BP 196} ⁶⁹ 686 Chassieu Cedex Date : 17/05/2005 Heure : 11h13 No de D5D :000006 Poids Net : 36300kg - A BIENTOT -
Configurable tickets Example of matrix: >;E;RS1;A;01;E;RS2;A;01;E;RS3;A;01;E;RS4 >;A;02;T;Date : ;E;DDA;T; Heure : ;E;DHE >;A;01;T;No de DSD :;E;DNP;A;01;G;T;Poid >s Net : ;E;DP3;P;A;02;T; - A BIENTOT - >;;?;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	Corresponding print: 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 -
Configurable tickets Example of matrix: >;E;RS1;A;01;E;RS2;A;01;E;RS3;A;01;E;RS4 >;A;02;T;Date : ;E;DDA;T; Heure : ;E;DHE >;A;01;T;No de DSD :;E;DNP;A;01;G;T;Poid >s Net : ;E;DP3;P;A;02;T; - A BIENTOT - >;;?;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	Corresponding print: MASTER-K ARPEGE 38 avenue des Frères Montgolfier BP 186 69 666 Chassieu Cedex Date : 17/05/2005 Heure : 11h13 No de DSD :000006 Poids Net : 36300kg - A BIENTOT -
Configurable tickets Example of matrix: >;E;RS1;A;01;E;RS2;A;01;E;RS3;A;01;E;RS4 >;A;02;T;Date : ;E;DDA;T; Heure : ;E;DHE >;A;01;T;No de DSD :;E;DNP;A;01;G;T;Poid >s Net : ;E:DB3;P;A;02;T; - A BIENTOT - >;;?;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	Corresponding print: 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 -

Connection and peripherals

Peripheral interfaces (I/O options): • 4I/4O board galvanically insulated (stop loading on gross weight or net weight) Analogue output 0-10 V Analogue output 4-20 mA Control of 4I/4O board by MODBUS TCP Two types of input/output allocation: Definition of 4 outputs (Type 1): Definition of 4 inputs and 4 outputs (Type 2): O1: Low threshold *I1: Resume paused cycle* O1: Low threshold O2: Weighing completed 12: Authorisation to load O2: End of loading O3: High Speed (HS) loading completed O3: Entry weighing 11: Pause cycle O4: Exit weighing operations completed 11: Cancel cycle O3: Low Speed (LS) loading

Ports de communication

- 1 x COM 1: RS232 and/or RS485 2-wire (short distance connection 10 m max)
- 1 x COM 2: Passive current loop (CL) or on option:
 - Serial RS232
 - Serial RS485
 - Active current loop (CL)
 - Ethernet Xport
- 1 x parallel port for LPT printer
- 1 x input for analog load cells
- 1 x Digital Bus CAN (Arpege Master K only): digital load cells, weight repeaters, terminals, etc.

Peripheral device management*

- Printers
- USB flash drive



Allows the saving and adjustment of configuration settings (metrological settings, operating settings) as well as application settings.

File save (> 30,000 items of data)

Transfer of weighing data for use on PC (text format)

Peripheral communication protocol*

- COM 1/COM 2:
 - AMK weight repeater
 - COMIDM protocol
 - ERIC protocol
 - MODEM protocol (Transfic software)
 - Transmission of end of weighing frame to stream (streaming to computer AMK FDE software)

• COM 2:

- Ethernet Xport (option board):
 - streaming to computer
 - ERIC protocol
 - PC connection
 - MODBUS TCP protocol
- Transmission of end of weighing frame to stream (streaming to computer AMK FDE software)
- COM1/COM2/LPT:
 - 40-column printer without management of paper length
 - 40-column printer with management of paper length
 - Stream Printer (streaming, 80 columns mandatory)
 - Other printers possible with configurable ticket
- USB:
- Streaming to computer (MK FDE software)
- ERIC protocol (ActiveX IDLC)
- File exchange (TRANSFIC software)

* Depending on configuration selected, standard or optionally available

ARPEGE MASTERK

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

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