VEI

Device 1 (helperXE):

GRADY   03/10/21 14:57
TOTAL   ton   PARTIAL   ton
15.50   1   2   8.00
PRODUCT   TS08 PBS
GRAVEL 8/16   3.00
CUSTOMER   TRAILER
TAYLOR CONSTRUCTION LTD   17.00

F1 F2 F3 F4 F5

helperXE

Device 2 (helper m):

ETHAN   03/10/21 14:57
TOTAL   ton   PARTIAL   ton
12.50   1   4   2.30
PRODUCT
GRAVEL 16/32

F1 F2 F3 F4 F5

helper m

Device 3 (helperX):

OWEN   03/10/21 14:57
TOTAL   ton   PARTIAL   ton
22.50   1   4   5.80
PRODUCT   SP23 YGA
GRAVEL 16/32   0.00
CUSTOMER   TRAILER
MORGAN & COX CONST. LTD   12.60

F1 F2 F3 F4 F5

helperX

Device 4 (millennium5):

JOHN   03/10/21 14:57
TOTAL   ton   PARTIAL   ton
11.30   1   4   2.40
PRODUCT
GRAVEL 1/3
CUSTOMER
MILLER TRANSPORT INC.

F1 F2 F3 F4 F5

millennium5

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Products Datasheet
April 2022

M 5 X XE

THE FRONT SIDE

DISPLAY
4,3" TFT High Definition

SOFTKEYS
changing upon screen view

KEYBOARD
membrane - lighted

USB PORT
import - export

NAVIGATION KEYS

Display readout:

OWEN			03/10/21 14:57	
TOTAL		ton	PARTIAL	ton
	22.50	1		5.80
PRODUCT			SP23 YGA	
GRAVEL 16/32				0.00
CUSTOMER			TRAILER	
MORGAN & COX CONST. LTD				12.60

F1 F2 F3 F4 F5

helperX

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EDITING KEYS

OPERATIONAL KEYS

MAIN SOFTKEYS

ORDERS	CUSTOMERS	PRODUCTS
VEHICLES	TARGETS	TARGETS ON DEMAND
DESTINATIONS TERMINALS	RECIPES	FAVORITES
CLOUD DATA RECEPTION	TARES	CONTAINERS BOOKINGS
SHIPPERS	LOTS	PICK LOCATION
DELIVER LOCATION	YES	NO

VEI

	M	5	X	XE
WEIGHING SPECIFICATIONS				
WEIGHING TYPE				
DYN — Loader - Telescopic - Tractor - Concrete Mixers	■	■	■	☐
DYN+ — Loader - Telescopic. Special calibration with load steps	☐	■	■	☐
STA (application example not compliant with HelperM) — Material Handler	■	■	■	☐
AUTOSTA — Reach Stackers. It is an Automatic STA	☐	■	■	☐
SPEED — Forklift. Calibration on the lifting speed	■	■	■	☐
DUMPER — Dumper - ADT - Underground trucks	☐	■	☐	■
NEW STATRUCK — Road Truck - Agri Trailer	☐	■	■	☐
EXCAV — Excavator	☐	☐	☐	■
WEIGHING SPECIFICATIONS				
WEIGHING MODE				
INCREMENTAL — from zero up to the target	■	■	■	■
TARGET — from the target down to zero. Preset	☐	■	■	■
TARGET ON DEMAND — from the target down to zero. Two targets simultaneously for split weighing	■	■	■	■
VEHICLE — target based on the vehicle rego. Preset	☐	☐	■	■
RECIPE — target based. Preset	■	■	■	■

VEI

	M	5	X	XE
WEIGHING SPECIFICATIONS				
WEIGHING FEATURES				
MAXIMUM CAPACITY (6 tonnes) — restriction in DYN weighing type, only	■	□	□	□
AUTOMATIC ADD — single weighing added automatically	■	■	■	■
MANUAL ADD — single weighing added with key	■	■	■	■
REMOTE ADD — single weighing added manually with a remote key	□	■	■	■
TIP OFF — live weight tipping off material	■	■	■	□
UNIT OF MASS CONVERSION — convert kg, t, lb, ton	■	■	■	■
TOOLS CALIBRATIONS — no. of different calibrations	5	5	10	10
GUIDED CALIBRATION — calibration wizard	■	■	■	■
MULTITASKING — number of loads which can run together. ach total can include up to 200 partials	15	15	40	15
PIECES COUNTER — printed and saved	■	■	■	□
NEW **TARE** — not saved into the load data	■	■	■	□
TOOL POSITION — a sensor enable weighing when the tool is in position, only	□	■	■	■
DUAL WEIGHING — a sensor enable weighing on tool 1 or 2 automatically	□	■	■	□
SLOPE WEIGHT CORRECTION — a sensor corrects the weight when the machine is on a slope	□	■	■	■
NEW **STATISTICS** — saves latests Zero at Empty, Calibrations, Reset Dates - Time of Use - No. of Lifts - No. of Power On	■	■	■	■

VEI

	M	5	X	XE
NEW REPLIKA — external display connected via canbus. Needs HelperXE back panel	☐	▪	▪	☐
NEW WILOAD — 2.4GHz wireless connection to a load cell	☐	▪ (with X panel)	▪	☐

WEIGHING SPECIFICATIONS

MEASUREMENT ERROR
from machine's max.cap.

	M	5	X	XE
LOADER	0±1%	0±1%	0±1%	☐
TELESCOPIC	0±2%	0±2%	0±2%	☐
FORKLIFT	0±1%	0±1%	0±1%	☐
TRACTORS	0±1%	0±1%	0±1%	☐
MATERIAL HANDLER	☐	0±1%	0±1%	☐
ADT TRUCKS	☐	0±3%	☐	☐
DUMPER TRUCKS	☐	0±3%	☐	☐
UNDERGROUND TRUCKS	☐	0±1%	☐	☐
ROAD TRUCKS — chassis weighing	☐	0±0.5%	0±0.5%	☐
HOOK LIFTER	☐	0±0.5%	0±0.5%	☐
REACH STACKER	☐	☐	0±1%	☐
EXCAVATOR	☐	☐	☐	0±2%
GRAPE HARVESTER	☐	0±1%	0±1%	☐
NEW AGRI TRAILER	☐	0±2%	0±2%	☐

DATA MANAGEMENT

GENERAL INDUSTRY

	M	5	X	XE
GENERAL INDUSTRY	▪	▪	▪	▪
PRODUCTS (24 chr.) — includes cubic meters conversion - price - unit weight - 4 lines notes 24 chr. each	20 no price	30 no price	300	300 no unit weight
NEW CUSTOMERS (48 chr.) — includes address - destination link	☐	20 (0 on dumper)	2000	2000

Products Datasheet 2022

	M	5	X	XE
VEHICLE PLATES (15 chr.) includes customer and carrier link	□	□	1200	1200
DESTINATIONS (48 chr.) includes address. Customer linked	□	20 dumper only	1000	1000
CARRIERS (48 chr.) includes address	□	□	1000	1000
NEW **RECIPES** (15 chr.) products: 40 HelperX - 15 the others	5	5	150	150
JOB ORDERS	□	□	100	100
FAVORITES	□	□	100	100
TARGET WEIGHTS includes name (24 chr.)	□	10	10	10
LOADING AREAS (48 chr.)	□	□	20	20
LOADING NOTES (24 chr.)	□	□	20	20
TARES (15 chr.)	10	10	10	□
OPERATORS ID (15 chr.) includes login ID request	5	100	100	100
SITE OWNER (24 chr.) includes address	■	■	■	■
LOADING SITE (24 chr.) includes address	□	■	■	■
LOADING COMPANY (24 chr.) includes address	□	■	■	■
MACHINE CODE (15 chr.)	■	■	■	■
WEIGHTS LOG (no.records)	100	2000	2000	2000
NEW **WEIGHTS ON HOLD** (no.records) each total can include up to 200 partials	15	15	40	15
DATA MANAGEMENT				
LOGISTICS INDUSTRY	□	□	■	□
PRODUCTS (24 chr.) includes 4 lines notes 24 chr. each	□	□	300	□
NEW **LOTS** (48 chr.)	□	□	2000	□
PICKS (48 chr.)	□	□	1000	□

	M	5	X	XE
DELIVERS (48 chr.)	☐	☐	1000	☐
JOB ORDERS	☐	☐	100	☐
FAVORITES	☐	☐	100	☐
LOADING AREAS (48 chr.)	☐	☐	20	☐
LOADING NOTES (24 chr.)	☐	☐	20	☐
OPERATORS ID (15 chr.) includes login ID request	☐	☐	100	☐
SITE OWNER (24 chr.) includes address	☐	☐	■	☐
LOADING SITE (24 chr.) includes address	☐	☐	■	☐
LOADING COMPANY (24 chr.) includes address	☐	☐	■	☐
MACHINE CODE (15 chr.)	☐	☐	■	☐
WEIGHTS LOG (no.records)	☐	☐	2000	☐
NEW WEIGHTS ON HOLD (no.records) each total can include up to 200 partials	☐	☐	40	☐
DATA MANAGEMENT				
CONTAINERS INDUSTRY	☐	☐	■	☐
TERMINALS (48 chr.)	☐	☐	300	☐
NEW SHIPPERS (48 chr.) includes address	☐	☐	2000	☐
CONTAINERS (15 chr.) includes booking#	☐	☐	1200	☐
SHIPS (48 chr.)	☐	☐	1000	☐
SHIPPING LINE (48 chr.)	☐	☐	1000	☐
JOB ORDERS	☐	☐	100	☐
LOADING AREAS (48 chr.)	☐	☐	20	☐
LOADING NOTES (24 chr.)	☐	☐	20	☐
OPERATORS ID (15 chr.) includes login ID request	☐	☐	100	☐

VEI

	M	5	X	XE
SITE OWNER (24 chr.) includes address	□	□	■	□
LOADING SITE (24 chr.) includes address	□	□	■	□
LOADING COMPANY (24 chr.) includes address	□	□	■	□
MACHINE CODE (15 chr.)	□	□	■	□
WEIGHTS LOG (no.records)	□	□	2000	□
NEW **WEIGHTS ON HOLD** (no.records) each total can include up to 200 partials	□	□	40	□
DEVICE SPECIFICATIONS				
SOFTWARE				
AUTOMATIC POWER ON	■	■	■	■
AUTOMATIC SHUTDOWN	■	■	■	■
AUTOMATIC STANDBY	■	■	■	■
KEYBOARD LOCK	□	■	■	■
CONFIGURATION USB backup/restore	■	■	■	■
DATA MANAGEMENT USB backup/restore - wireless restore	■ USB	■ USB	■	■
LOADING PREVIEW - REDO change weighing data before printing or clear	□	■	■	■
OPERATOR ID LOGIN allows to unlock the device	□	■	■	■
SOFTWARE UPDATE update to the next level	■	■	■	□
LANGUAGES 21 in total	■	■	■	■
OUTPUT alarm - light	□	■	■	□
PRINTER - MODEM PORTS can be selected to connect printer or modem in each one of them	□	■	■	■

DEVICE SPECIFICATIONS	M	5	X	XE
HARDWARE				
POWER SUPPLY 9 ÷ 36VDC	■	■	■	■
WORKING TEMPERATURE -20°C ÷ +60°C metrological accreditation	■	■	■	■
PROTECTION CLASS device IP54 - sensors IP67	■	■	■	■
DISPLAY 4,3" TFT high definition	■	■	■	■
LIGHT AMBIENT SENSOR	■	■	■	■
KEYBOARD membrane - lighted	■	■	■	■
USB PORT	■	■	■	■
PRINTER PORT connects printer or modem	■	■	■	■
MODEM PORT connects modem or printer	☐	☐	■	■
TILT PORT tilt switch - alarm - light	☐	☐	■	☐
REMOTE PORT connects 2 remote keys	☐	☐	■	■
CANBUS PORT sensors connectivity - Replika remote display	☐	■ with XE panel	■ with XE panel	■ no Replika
PRINTER				
VPRINT MODEL				
THERMAL PRINTER 57mm wide paper roll	■	■	■	■
TM295 MODEL				
DOT MATRIX PRINTER prints dockets 70mm wide - carbon copy - 3 layers max. - total thickness 0,27 ÷ 0,95mm. Not available in Logisitcs and Containers Industries	☐	■	■	■

VEI

	M	5	X	XE
NEW SP298 MODEL				
DOT MATRIX PRINTER — prints dockets 70mm wide - carbon copy - 3 layers max. - total thickness 0,27 ÷ 0,95mm. Not available in Logisitcs and Containers Industries. Docket formtas compatible with TM295 printer	☐	■	■	■
PRINTOUTS				
LOADOUT — data printed according to data management configuration	■	■	■	■
TOTAL WITH PARTIALS — max. 200 partials per total	■	■	■	■
PRODUCTS GRAND TOTAL — overall - date range - max.= 99.999t	■	■	■	■
LOADED CUSTOMERS — overall by customer	☐	■	■	■
LOADED VEHICLES — overall by truck plate	☐	■	■	■
WEIGHTS LOG — overall - by customer	■	■	■	■
CONFIGURATION	■	■	■	■
BARCODE (code 39 type) — A barcode can be included in each of the following data: Products - Customers - Operators ID - Destinations - Carriers - Machine Code - Ticket No. - Ticket No. + Machine Code - Loading Areas - Loading Notes - Date Time	☐	■	■	■
QRCODE — A QRcode can be included at the end of each Total Printout, two QRcodes will be printed if the Total loaded is of two products. The following data are included: Date and Time, Weight, Customer, Product, Price, Currency, Ticket No.".	☐	☐	■	■
DATA TRANSFER				
HARDWARE				
USB STICK — .csv file - .mill5 file ipotweb cloud compatible	■ (.csv file only)	■	■	■
MODEM — Trackweight cellular - Vortex wifi - RFlink radio modem	☐	■	■	■

VEI

	M	5	X	XE
DATA PACKS				
CONFIGURATION (USB) from ipotweb cloud - from device to device	■	■	■	■
LOADOUT (USB - WIRELESS) to ipotweb cloud	■ USB	■	■	■
DATA MANAGEMENT USB: from/to ipotweb cloud WIRELESS: from ipotweb clou	■ USB	■ USB	■	■
CERTIFICATIONS				
LEGAL METROLOGY				
EUROPE according to 32/2014/EU (AWI) 31/2014/EU (NAWI)	☐	■	■	☐
RUSSIA	☐	☐	■	☐
NEW ZELAND	☐	☐	■	☐
AUSTRALIA	☐	☐	■	☐
ELECTROMAGNETIC (EMC)				
MEASURING EQUIPMENT EN61326-1	■	■	■	■
ROAD VEHICLES ISO 7637-2 - electrical disturbances	■	■	■	■
ROAD VEHICLES ISO 7637-3 - electrical disturbances	■	■	■	■
ROAD VEHICLES ISO 16750-2 - environmental conditions	■	■	■	■
AFTERMARKET EQUIPMENT EN 50498 - electromagnetic compatibility	■	■	■	■
AGRICULTURE MACHINERY EN ISO 14982 - electromagnetic compatibility	■	■	■	■
FORESTRY MACHINERY EN ISO 14982 - electromagnetic compatibility	■	■	■	■
EARTH MOVING MACHINERY ISO 13766 - electromagnetic compatibility	■	■	■	■

VEI

	M	5	X	XE
ENVIRONMENTAL (SAE J1455)				
DUST TEST DIN 40050-9 fine powder	■	■	■	■
TEMPERATURE TEST -40°C ÷ +85°C	■	■	■	■
SALT MIST TEST	■	■	■	■
VIBRATION AND SHOCK TEST 40G	■	■	■	■

THE BACK SIDE

m	5	X	XE

S2	S2	S2	S2
load sensor 2	load sensor 2	load sensor 2	load sensor 2
S1	S1	S1	S1
load sensor 1	load sensor 1	load sensor 1	load sensor 1
POWER	POWER	POWER	PWR/IN3-4
power + tool position	power + tool position	power + tool position	power + input 3-4
WZONE	WZONE	WZONE	IN1-2
weighing sensor	weighing sensor	weighing sensor	input 1-2
PRINTER	PRINTER	PRINTER	PRINTER
printer	printer or modem	printer	printer
		MODEM	MODEM
		modem	modem
		TILT	RS485
		tilt switch - light - alarm	not used
		REMOTE	REMOTE
		remote keys	remote keys
			CAN
			angle sensors canbus