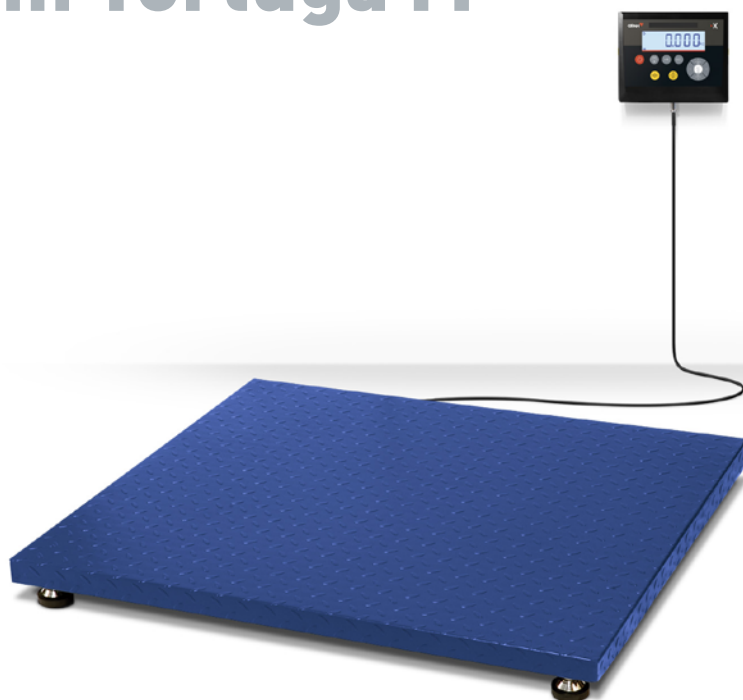


# GRAM<sup>▼</sup> Xtrem Tortuga M



300 kg  
1,500 kg

DESIGNED  
IN EUROPE

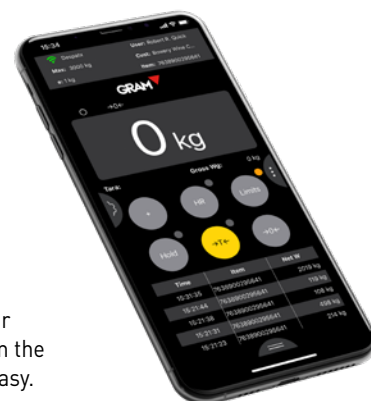


## Compact and strong with legal approval

- Digital scale with CE-M Verification for legal use and 2 x 3000-division ranges.
- Highly reliable with Z Link communication technology and Xtrem digital core.
- Fully autonomous, data sent to an indicator, PC, tablet or Android smartphone <sup>(1)</sup>.
- Maximum safety: important adjustment and calibration data incorporated in the platform are armoured.
- Web Server to send data to Chrome, Edge and Safari browsers.
- Total flexibility: Data sent by cable, Ethernet <sup>(2)</sup>, WiFi <sup>(2)</sup> or RS485 <sup>(2)</sup>.
- 2-layer epoxy coating, Class C3 sensors and IP67 protection.
- Prepared for high connectivity (Industry 4.0)

(1) With Wi-Fi option.

(2) Optional.



### View the data on a smartphone

Our Xtrem equipment with WiFi option sends the data directly from the platform to a smartphone using our Android app, directly and without an indicator, from the weighing platform to the smartphone. It's that easy.

Hold

→T←

Time	Item
09:07:46	7638900295641
12:10:26	7638900295641

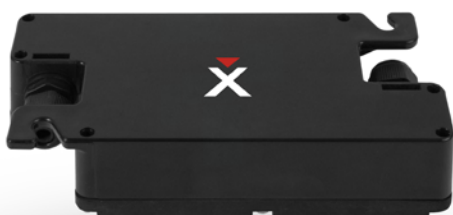


#### Z-Link connectivity

- Multiple connection options with indicators, PC software and Android smartphone.
- Fully digital platforms that include all data in its internal Xtrem module.
- Greater safety and reliability due to digital communication between platform, indicators and PC or Android software.
- Data sent directly to PC or smartphone by optional WiFi in the platform's own Xtrem module.
- Connection of multiple platforms via Wi-Fi or Ethernet router, for central management.
- Web Server for data capture from Chrome, Edge and Safari browsers.

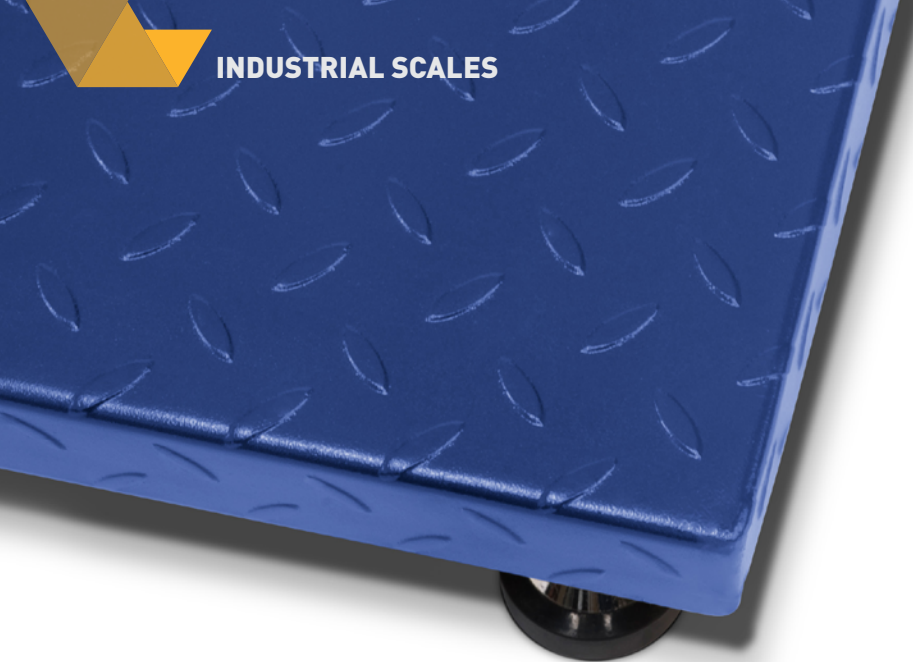
#### Protected connection with steel tube

- The Z Link connection cable is protected along most of its length by a steel tube.
- Excellent adaptation to the platform output for greater robustness.
- Guarantees proper communication of your Xtrem equipment with peripherals. Digital data are not influenced by bad connections or other equipment.



#### Digital core

- Xtrem digital module integrated inside the platform structure.
- The most advanced technology for maximum data security.

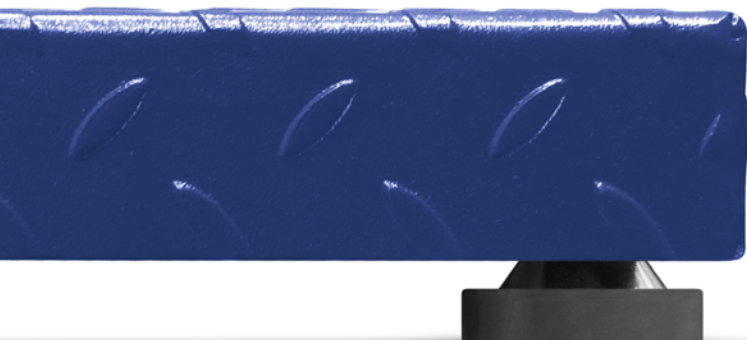
**Non-slip**

- Its diamond plate steel surface with baked epoxy paint treatment gives it great wear resistance.

**Advanced connectivity**

- Our Xtrem equipment connects directly <sup>[3]</sup> to the Ethernet, Wifi or RS485 without intermediate equipment.

[3] Optional.


**Low height**

- Its height of only 105 mm allows heavy loads to be weighed with little effort.

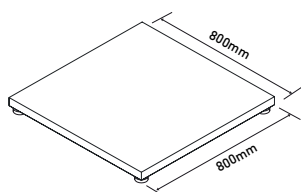
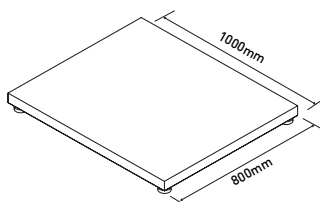
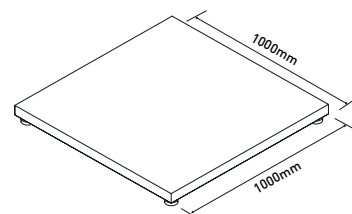
**Extra-long Z Link cables**

- The standard Z Link digital connection cable can be replaced with longer ones of 8 and 15 m.
- Allows replacement in case of failure or breakage, due to its sealed connection and quick connectors.

**4 m Z Link cable as standard.****Optional 8m Z Link cable.****Optional 15m Z Link cable.**

Model	M	Xtrem Tortuga SL-300	Xtrem Tortuga SL-600	Xtrem Tortuga ML-300	Xtrem Tortuga ML-600	Xtrem Tortuga GL-600	Xtrem Tortuga GL-1500
Reference		71573M	71574M	71604M	71607M	71572M	71597M
Capacity / max (kg)		300	300 / 600	300	300 / 600	300 / 600	600 / 1500
Resolution / e (g)		100	100 / 200	100	100 / 200	100 / 200	600 / 1500
Weighing units		g, kg					
Class		OIML 					
Maximum error (g)		± 0,1%					
Tare range (g)		- Max <sub>2</sub>					
Connectivity		RS232C, Ethernet <sup>(1)</sup> , WiFi <sup>(1)</sup> , RS485 <sup>(1)</sup>					
Transmission speed		9600, 19200, 38400, 57600, 115200 bauds					
Power		Adapter 230 V/50 Hz (Euro) 7.5 Vdc or via indicator					
Working temperature		-10°C / +40°C					
Upper surface thickness		5 mm					
Structure		Steel coated in kiln-fired epoxy resin					
Load sensors		4 x H8C Rebel IP67					
Connections box		Hermetic with IP68 protection, in AISI 304 stainless steel					
Dimensions (mm)		800 X 800		1000 X 800		1000 x 1000	
Maximum height (mm)		105					
Minimum height (mm)		140					
Platform net weight (kg)		45		47		49	
Packaging dim. (mm)		810 x 810 x 260		1010 x 810 x 260		1010 x 1010 x 260	
Total weight with packaging (kg)		65		67		69	

(1) Non-simultaneous options.

**External dimensions (mm)****Xtrem Tortuga-SL****Xtrem Tortuga ML****Xtrem Tortuga GL**

## ► XTREM INDICATORS

### K3X indicator

- With CE-M Verification for legal use.
- Classification or check by weight with display in 3 colours.
- Tare memory for weighing tanks and silos.
- Accumulation of weights with totalling.
- Normal or fixed tare, with 20 memories.
- Print-out with 3 lines at the top and 2 lines at the end of the ticket.
- Date and time on ticket records.
- Accumulation of weights with totalling.
- RS232C serial connection for PC and optional printers.
- Optional USB output to PC
- 3-relay digital output and simple, single-speed dispensing.
- ABS casing with IP65 protection.



### K3iX indicator

- With CE-M Verification for legal use.
- Classification or check by weight with display in 3 colours.
- Tare memory for weighing tanks and silos.
- Accumulation of weights with totalling.
- Normal or fixed tare, with 20 memories.
- Print-out with 3 lines at the top and 2 lines at the end of the ticket.
- Date and time on ticket records.
- Accumulation of weights with totalling.
- RS232C serial connection for PC and optional printers.
- Optional USB output to PC
- 3-relay digital output and simple, single-speed dispensing.
- AISI 304 stainless steel casing with IP65 protection.



### K3iX P indicator

- With CE-M Verification for legal use.
- Classification or check by weight with display in 3 colours.
- Tare memory for weighing tanks and silos.
- Accumulation of weights with totalling.
- Normal or fixed tare, with 20 memories.
- Print-out with 3 lines at the top and 2 lines at the end of the page.
- Date and time on ticket records.
- Accumulation of weights with totalling.
- 3-relay digital output and simple, single-speed dispensing.
- AISI 304 stainless steel casing.





## ► SOFTWARE XTREM

### PC Xtrem

- Indicator PC software with CE-M Verification for legal use.
- Scalable display size, can occupy the entire screen.
- Data recording and export in CSV file.
- 3 free data fields to include more information.
- Copies and pastes the weight, or drags it to another window.
- Enter a tare value using the numeric keypad.
- Allows configuration of the balance from the same application.
- Shows several devices connected to the PC simultaneously, each in its own window.
- 10 times higher resolution available on the display.
- Display and export of weight data by QR code on screen.
- No need for a classic indicator; connects directly to the Xtrem scale via the included Z Link cable and an optional PC adapter cable.



### APP Xtrem

- Prints labels (4) and records weights with user name, customer, date/time, product code and net, gross and tare weights.
- Send weight records via email, social networks and most of the Android terminal applications (4).
- Up to 4 Android terminals can be connected via our Xtrem app to the Xtrem balance.
- The application can be connected to any balance, if more than one is available.
- The product bar code can be scanned with the terminal camera (4).
- Has a Tare memory with a name database.
- View weight limits with partial and full screen.
- Export the results obtained to Excel (4).



(4) With Premium options activated.

## ► APP XTREM OPTIONS

### Q1 label printer

- Prints labels from the smartphone with an Android app (4).
- Adds a barcode for the results.
- Autonomy of up to 14 hours on standby and up to 165 labels.
- Bluetooth connection.



(4) With Premium options activated.

## ► ACCESSORIES INDICATOR

### PR4 printer

- Compact thermal printer.
- Printing speed of 130 mm/s.
- Ticket width 58 mm.
- Paper roll capacity up to 83 mm in diameter.
- Connection with K3X and K3iX by cable (included).



### Q2 printer

- Easy paper loading.
- Printing speed: 76 mm/s.
- Detects the beginning of the label.
- Front exit, protected from liquids.
- Maximum capacity 90 mm diameter.
- LED status bar.
- Interchangeable print head without screws.
- Connection with K3X and K3iX by cable (included).



### Traffic light with relay board

- LED indication with 3 adjustable levels for product classification or luminous information on weight differences programmed in the K3X, K3iX and K3iX P indicators.
- Wired connection.



### USB connection

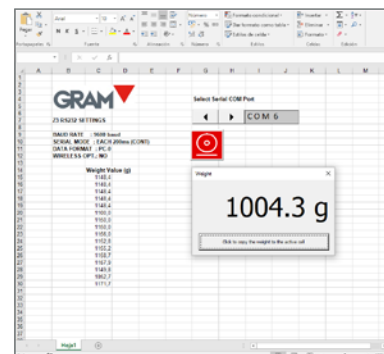
- Data output with USB-A female connector.
- PC compatible.
- USB-A to USB-A cable not included.



## ► INDICATOR SOFTWARE

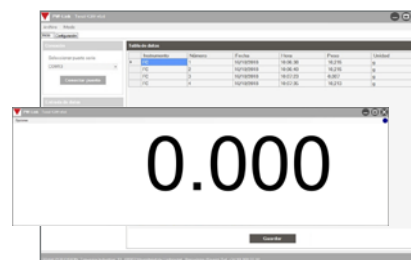
### EX Link

- PC application for data capture.
- Imports records in CSV or compatible sheet.



### PW Link

- PC application for viewing and recording data.
- Display with adjustable dimensions - can occupy the entire PC screen width.
- View and record data with date and time.
- Export records to CSV.
- Compatible with K3X and K3iX, includes connection cable.



## ► CABLES

### USB Direct K

- Smart direct connection with PC.
- Enter data in any open application on the PC.
- No software needed; the PC recognises the smart cable.
- The data sent includes the measurement unit (g or kg).



## ► CERTIFICATIONS

### ISOCAL certificates

- Our Xtrem equipment is delivered with CE-M Verification as standard.
- We also offer our ISOCAI Certificates, with individualised calibration data for the Xtrem equipment.
- Help maintain your ISO9001 Quality System.





## ► INDICATOR COLUMNS

### Painted steel base with stainless steel column for K3X

- Supports K3X indicator on a 930 mm tall column.



Indicator not included.

### Painted steel base with stainless steel column for K3iX, K3iX P

- Supports a K3iX or K3iX P indicator on a 930 mm tall column.



Indicator not included.

### Stainless steel base with stainless column for K3X

- Supports K3X indicator on a 930 mm tall column.



Indicator not included.

### Stainless steel base with stainless column for K3iX, K3iX P

- Supports a K3iX or K3iX P indicator on a 930 mm tall column.



Indicator not included.

## ► INDICATOR BRACKETS

### ABS ball joint support for K3X

- Adapts the K3X indicator for wall mounting.



### Stainless steel U-shaped bracket for K3iX, K3iX P

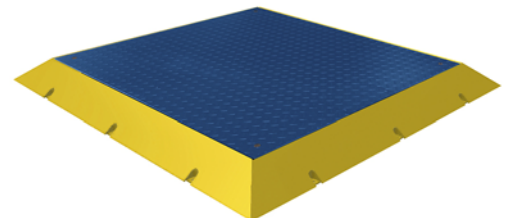
- U-shaped bracket for wall mounting of compatible indicators.



## ► PLATFORM ACCESSORIES

### Protective surround

- Protects the platform from impacts and accidents.
- One or several sides of the platform can be protected.



### Practical access ramps

- Two types of ramp: short (RM) with reduced dimensions and long (RL), with double angle for easier access with heavy loads.
- The long ramp (RL) makes access for manual pallet trucks easier and quicker.



## ► CERTIFICATIONS

Ref.	Model
8024	ISOICAL certificate from 31 kg to 300 kg
8025	ISOICAL certificate from 301 kg to 600 kg
8029	ISOICAL certificate from 601 kg to 1500 kg

## ► XTREM OPTIONS

Ref.	Model
72026A	PC Xtrem software (includes cable to self-powered PC)
33819A	Xtrem Android app (includes WiFi connection and power cable)
71725A	Xtrem Premium app 1 year (includes WiFi connection and power cable)
32351	Z-Link connection 8m
32352	Z-Link connection 15m
71683	WiFi connection (1)
71683A	WiFi connection with power (includes PC Xtrem software) (1)
32377A	Powered Ethernet connection (includes PC Xtrem software) (1)
32382A	RS485 connection with power supply (includes PC Xtrem software) (1)
72034A	Bluetooth printer Q1 labels with Wifi board and Premium app 1 year

## ► PLATFORM ACCESSORIES

Ref.	Model
7006	RM-8 Access Ramp for SL and ML models
70190	RM-10 Access Ramp for GL and 1210 models
71178	RL-8 Access Ramp for SL and ML models
71179	RL-10 Access Ramp for GL and 1210 models
70022	BM-10 Bumper (1m) for GL and 1210 models
70022A	Set of 4 BM perimeter protection frames, for GL model

## ► K3X, K3iX OPTIONS

Ref.	Model
32330	3-relay board
32332	Tare pedal

## ► INDICATOR ACCESSORIES

Ref.	Model
70034X	PR4 wired printer for K3, K3i (2)
70814A	Q2 wired label printer for K3, K3i (2)
70814B	Q2 ticket printer with cable for K3, K3i (2)
60210A	Traffic light with relay board
3792A	EX-Link software (4m cable to PC included)
3792C	EX-Link software (USB output included)
71722A	PW-Link software (4m cable to PC included)
71722G	PW-Link software (USB output included)
61084	Direct K USB cable (2)
33770	USB output (2)
3804X	CS-1 Painted steel support base with stainless steel column for K2, K3, Z3, SC2
3804B	CS-1 Painted steel support base with stainless steel column for K3i, K3i P
3805A	CS-1 S Stainless steel support base with stainless steel column for K2, K3, Z3, SC2
3805X	CS-1 S Stainless steel support base with stainless steel column for K3i, K3i P
32278	Stainless steel U wall support (K3, K3i, K3i P)
31661	Wall support in painted steel with ABS swivel joint (SC2, K2, K3, Z3)

## ► NOTES

(1) Only one of these options can be taken.

(2) Only one of these options can be taken.