EPELSA

SETS
EXPLOREX

Accuracy and versatility in only weight with tare and accumulation, piece counting, live animals…

✓ Scales in stainless steel or with painted platform structure and aluminium cell

✓ Compatible with Tigris C and E

✓ LM and LMI platforms

CE M

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TIGRIS C and E

INDICATORS
TIGRIS C and E

They have a simplified display interface (Tigris C with blue LCD; Tigris E with red LED).
Ideal for applications where simplicity and efficiency are a priority.

The indicators have an AISI-304 stainless steel housing, with IP-64 protection. Designed for wall or column mounting, they have 7 membrane function keys, including the ON/OFF function. The displays are backlit 6-digit 1" LCD displays on the Tigris C indicator, and 6-digit 20mm red LED displays on the Tigris E indicator.

These indicators offer metrological access from inside the case and feature a stainless steel bracket for column and/or wall mounting. They incorporate a real-time clock and offer an internal resolution of 2,000,000 points, with a maximum adjustment resolution (UI) of 50,000 divisions. They are approved up to 10,000 divisions, with 2 ranges up to 5,000 divisions. Maximum sensitivity is 1 µV/division, with a load cell supply voltage of 5 Vdc. Maximum input swing is -5~20 mV DC, allowing connection of up to 4 x 350 Ω load cells (or 8 x 700 Ω load cells).

Indicateur Tigris C

They incorporate an internal 6V4Ah lead-acid battery, with a runtime of up to 30 hours.
Both have an RS-232 channel for connection to a PC or printer, with different ticket formats, and alternative PROFINET or PROFIBUS channels (not available in the TIGRIS E). Maintenance is limited, requiring only cleaning if necessary. They operate within a temperature range of -10°C to +40°C, with a humidity limit of ≤ 85% RH.

Structure Explorex with LMI platform

Characteristics Tigris C

Type	Industrial Indicator
Material	Stainless steel
Divisions	Approved up to 10,000 divisions (and 2 ranges up to 5,000 divisions).
Connections	RS-232 channel for PC or printer (various ticket formats). Versions with PROFINET or PROFIBUS are available.
Environmental protection	IP 64
battery	internal 6V4Ah lead battery, with up to 30 hours autonomy
Dimensions	20.4 x 14.4 x 7.8 cm. Packaging: ~28x25x19 cm
Weight	2Kg

TIGRIS C and E

INDICATORS
TIGRIS C and E

These indicators are designed to work with any weighing platform, whether table-top, floor-standing, recessed or other.

Main functions :
Standard weighing functions such as zero, tare, total, print, peak value and live animal weighing. Ticket printing options with date, time, net weight, tare and gross weight.

Technical parameters :
EU approved at 10,000 divisions.
Wide range of capacities and resolutions.
Mains power and battery option for greater mobility.
Intuitive basic operation: easy-to-understand display and keypad.
Easy switch-on and switch-off at the touch of a button.

Advanced communication:
RS232 communication interface for connection to external devices.
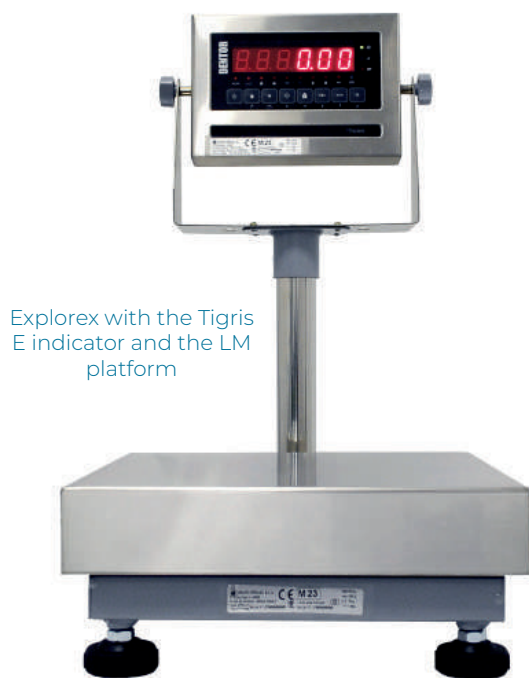Communication protocols for RP/RPI remote displays and ticket formats for printing.
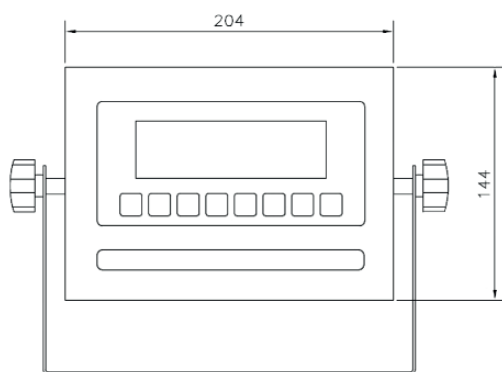
Tigris E
viewfinder

Explorex with the Tigris E indicator and the LM platform

Tigris E characteristics

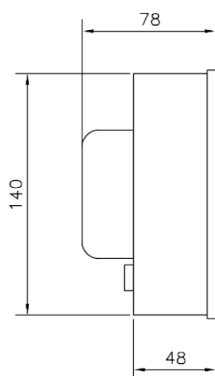|	
Type	Industrial Indicator
Material	Stainless steel
Divisions	Approved up to 10,000 divisions (and 2 ranges up to 5,000 divisions).
Connections	RS-232 channel for PC or printer (various ticket formats).
Environmental protection	IP 64
battery	internal 6V4Ah lead battery, with up to 30 hours autonomy
Dimensions	20.4 x 14.4 x 7.8 cm. Packaging: ~28x25x19 cm
Weight	2Kg

TIGRIS C and E

204

144

Front view

78

140

48

Side view

144 mm

47 mm

191 mm

Column
Column option (mm)
300 / 400 / 500 / 600 / 700 / 900

Column height + 140 mm

300 x 300 - 800 x 800 *

95 – 160mm *

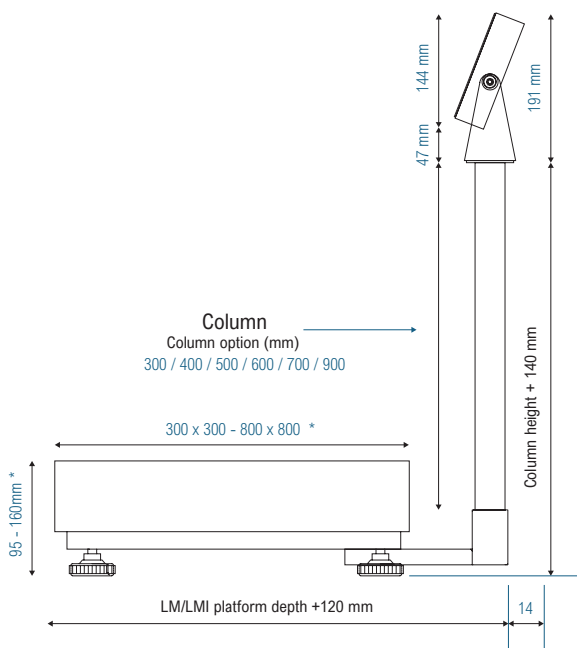LM/LMI platform depth +120 mm

14

*According to model / size

Side view of Explorex

Technical data

Technical specifications

- Number of approved divisions up ton ≤ 10000
- Minimum input voltage per control scale interval 1 µV /e.
- Input signal voltage -5~20mV DC
- Minimum load cell impedance. Connection of up to 4 load cells of 350 Ω (or 8 of 700 Ω).
- AC power supply AC100~240V, 50-60Hz
- Power consumption: 11W maximum (with 4 x 350 Ω load cells).
- 6V4Ah lead-acid battery or 7.4V4Ah 30h Li battery
- Operating temperature - 10 °C ~ + 40 °C
- Humidity ≤85% RH

SOFTWARE

- Weight / Tare / Totalisation / Printing.
- Piece counting.
- Over/Under with buzzer.
- Maximum value detection.
- Live animal and/or pet weighing.
- Optional 4~20mA analogue output
- Programming of date and time format and date print format.
- Communication via RS-232 channel for printer, computer (on demand, each conversion or via keypad) or repeaters (RP/RPI and RP66 range).
- Language selection for printed text.

Compatible devices

» Connectable printers
- EPSON TM-U220D
- Compatible generic-IBM REPETIDORES
» REPEATERS
- Repetidor RP-7
- Repetidor RPI-7
- Repetidor RPI-12
- Repetidor RP-66

Certifications

Certified in accordance with WELMEC guides 8.8 and 2.1 and standards EN 45501:2015 and OIML R76-1 (2006), for non-automatic weighing instruments, with number TC12604, issued by NMi Certin B.V. of the Netherlands.

References

MODEL	REFERENCE
TIGRIS E VISOR	0170920000
TIGRIS C VISOR	0170921000
TIGRIS C PROFINET/RS INDICATOR	0170921100
TIGRIS C PROFIBUS/RS INDICATOR	0170921200

PLATFORMS LMI and LM

LMI characteristics

AISI-304 stainless steel platforms, with a robust tubular design and IP-67 protection (except with L6G_IP66 and L6F_IP65 cells), criteria that are shared for all dimensions. The stainless steel feet (except for 600x600 and 800x800) are adjustable in height with rubber support, the screws and the cover are made of AISI 304 stainless steel. The load cells are made of stainless steel (except for 600x600 and 800x800, which are made of aluminium) approved to 3000 divisions. Together with an Epelsa Group indicator, they can be supplied with EU Declaration of Conformity; with a 2.5 m cable of 6-wire hose plus aluminium shielded ground.

It is protected against static overload by a central cell stop and 4 corner stops that allow it to withstand overloads of 100% of the maximum capacity.

Platforms up to 600x600 mm can work on a tabletop for standard weighing, +/- control, piece counting, manual labelling, packaging, etc., in production, material input and output, for inventories, order preparation, etc.

The 800x800 mm platforms can also work on tabletops, but due to their weight, size and capacity, they are usually installed on the floor and thus offer an economical alternative to 4-cell platforms. Connected to the appropriate indicator, all of them can be used in combinations covered by the EU Type Examination Certificate No. T11160.

Options

Generic STAINLESS STEEL column. Column height: 350mm ref.-0260557610 LMI 30x30
Generic STAINLESS STEEL column. Column height: 400mm ref.-0260557620 LMI 30x40
Generic STAINLESS STEEL column. Column height: 500mm ref.-0260557630 LMI 40x40
Generic STAINLESS STEEL column. Column height: 600mm ref.-0260557640 LMI 40x50
Generic STAINLESS STEEL column. Column height: 700mm ref.-0260557650 LMI 50x60 Y LMI 60X60
Generic STAINLESS STEEL column. Column height: 900mm ref.-0260557670 LMI 80x80

If the indicator is Orion, Cyber Plus or Dexal, you must also order the adaptation of these indicators to the column.
Option to adapt the Orion indicator to the LMI platform column Ref.-0260557710
Option to adapt the Cyber Plus indicator to the LMI platform column Ref.-0260557720
Option to adapt Dexal indicator to LMI platform column Ref.-0260557730

DIMENSIONS (without feet mm)	MIN. HEIGHT(with feet - mm)	CAPACITY KG	WEIGHT KG	LOAD CELL	REFERENCE	FINISH
300 x 300 x 95	120	3*	6	B6N 7kg	0170886000	Structure and cover: AISI 304
300 x 300 x 95	120	6	6	B6N 15kg	0170887000	Structure and cover: AISI 304
300 x 300 x 95	120	15	6	B6N 30kg	0170888000	Structure and cover: AISI 304
300 x 300 x 95	120	30	6	B6N 50kg	0170889000	Structure and cover: AISI 304
300 x 400 x 95	120	30	7	B6N 50kg	0170892000	Structure and cover: AISI 304
300 x 400 x 95	120	60	7	B6N 100kg	0170893000	Structure and cover: AISI 304
400 x 400 x 95	120	15	8,5	B6N 30kg	0170895000	Structure and cover: AISI 304
400 x 400 x 95	120	30	8,5	B6N 50kg	0170896000	Structure and cover: AISI 304
400 x 400 x 95	120	60	8,5	B6N 100kg	0170897000	Structure and cover: AISI 304
400 x 400 x 95	120	150	8,5	B6N 200kg	0170898000	Structure and cover: AISI 304
400 x 500 x 95	120	30	10	B6N 50kg	0170899000	Structure and cover: AISI 304
400 x 500 x 95	120	60	10	B6N 100kg	0170900000	Structure and cover: AISI 304
400 x 500 x 95	120	150	10	B6N 200kg	0170901000	Structure and cover: AISI 304
500 x 600 x 120	145	30	20,5	BM6G 50kg	0170902000	Structure and cover: AISI 304
500 x 600 x 120	145	60	20,5	BM6G 100kg	0170903000	Structure and cover: AISI 304
500 x 600 x 120	145	150	20,5	BM6G 300kg	0170904000	Structure and cover: AISI 304
500 x 600 x 120	145	300	20,5	BM6G 500kg	0170905000	Structure and cover: AISI 304
600 x 600 x 115	155	30	18,5	L6G 50kg **	0170906000	Structure and cover: AISI 304
600 x 600 x 115	155	60	18,5	L6G 100kg **	0170907000	Structure and cover: AISI 304
600 x 600 x 115	155	150	18,5	L6G 200kg **	0170908000	Structure and cover: AISI 304
600 x 600 x 115	155	300	18,5	L6G 500kg **	0170909000	Structure and cover: AISI 304
800 x 800 x 125	160	150	32,5	L6F 250kg ***	0170910000	Structure and cover: AISI 304
800 x 800 x 125	160	300	32,5	L6F 500kg ***	0170911000	Structure and cover: AISI 304

* Approved step: 2 g (1500 divisions).
** IP65 aluminium load cell, protected with stainless steel housing and rubber cover, achieving IP66.
*** IP65 aluminium load cell.

PLATFORMS LMI and LM

LM characteristics

Platforms with steel structures painted in glossy grey RAL 7045, with a tubular grey RAL 7045, with a robust, tubular design and IP-65 protection, a criterion that is shared for all the different dimensions different dimensions. The height-adjustable feet with rubber feet, screws and cover are made of stainless steel AISI 304.

AISI 304 stainless steel. The load loadcells are made of aluminium load cells approved to 3000 divisions. Together with an together with an Epelsa Group indicator, they can be supplied with EU Declaration of EU Declaration of Conformity; with a 2.5 m cable of 6-wire hose plus 6 wires plus earth with aluminium shielding, except for NAn model load cells, which is at least 1.3 m long and only 1.3 m length and only 4 wires plus ground with shield.

It is protected against static overload by a central cell stop and 4 stops and 4 corner stops which enable it to withstand overloads of 100% of its overloads of 100% of the maximum capacity.

The 800x800 platforms do not have a central cell stopper as the loads cells stopper, as the cells are fixed laterally.

Platforms up to 600x600 mm can work tabletop for standard weighing, +/- control, piece counting, manual labelling, packaging, etc., in production, incoming and outgoing production, material input and output, for inventories, order preparation, etc. inventories, order preparation, etc.

The 800x800 mm platforms can also work on a tabletop, but due to their weight table-top, but due to their weight, dimensions and capacities are usually installed on the floor and thus offer an economical alternative to 4-cell platforms.

Connected to the appropriate indicator, all of them can be used to create combinations combinations covered by the EU type-examination certificate EU Type Examination Certificate No. T11160, even in 2 ranges (with some exceptions). some exceptions).

Options

Generic PAINTED column. Column height: 300mm LM 30x30 ref.-0260556610
Generic PAINTED column. Column height: 400mm LM 30x40 ref.-0260556620
Generic PAINTED column. Column height: 500mm LM 40x40 ref.-0260556630
Generic PAINTED column. Column height: 600mm LM 40x50 ref.-0260556640
Generic PAINTED column. Column height: 700mm LM 50x60 / 60x60 ref.-0260556650
Generic PAINTED column. Column height: 800mm LM 80x80 ref.-0260556660

If the rifle scope is Orion, Cyber Plus or Dexal, you must also order the adaptation of these rifle scopes to the column.
Option to adapt Orion rifle scope to LM platform column Ref.-0260556710
Option to adapt the Cyber Plus indicator to the LM platform column Ref.-0260556720
Option to adapt Dexal indicator to LM platform column Ref.-0260556730

DIMENSIONS (without feet mm)	MIN.HEIGHT (with feet - mm)	CAPACITY KG	WEIGHT KG	loadcell	REFERENCE	FINISH
300 x 300 x 95	125	3	5,5	L6N 5kg	0170860000	Structure: Painted/Stainless steel cover
300 x 300 x 95	125	6	5,5	L6N 10kg	0170861000	Structure: Painted/Stainless steel cover
300 x 300 x 95	125	15	5,5	L6N 30kg	0170862000	Structure: Painted / Stainless steel cover
300 x 300 x 95	125	30	5,5	L6N 50kg	0170863000	Structure: Painted / Stainless steel cover
300 x 400 x 95	125	15	6	L6N 30kg	0170865000	Structure: Painted / Stainless steel cover
300 x 400 x 95	125	30	6	L6N 50kg	0170866000	Structure: Painted / Stainless steel cover
300 x 400 x 95	125	60	6	L6N 100kg	0170867000	Structure: Painted / Stainless steel cover
400 x 400 x 95	125	15	9	L6N 30kg	0170869000	Structure: Painted / Stainless steel cover
400 x 400 x 95	125	30	9	NA2 60kg	0170870000	Structure: Painted / Stainless steel cover
400 x 400 x 95	125	60	9	NA2 100kg	0170871000	Structure: Painted / Stainless steel cover
400 x 400 x 95	125	150	9	NA2 200kg	0170872000	Structure: Painted / Stainless steel cover
400 x 500 x 95	125	30	11	NA4 50kg	0170873000	Structure: Painted / Stainless steel cover
400 x 500 x 95	125	60	11	NA4 100kg	0170874000	Structure: Painted / Stainless steel cover
400 x 500 x 95	125	150	11	NA4 200kg	0170875000	Structure: Painted / Stainless steel cover
500 x 600 x 120	150	30	21	L6G 50kg	0170876000	Structure: Painted / Stainless steel cover
500 x 600 x 120	150	60	21	L6G 100kg	0170877000	Structure: Painted / Stainless steel cover
500 x 600 x 120	150	150	21	L6G 300kg	0170878000	Structure: Painted / Stainless steel cover
500 x 600 x 120	150	300	21	L6G 500kg	0170879000	Structure: Painted / Stainless steel cover
600 x 600 x 120	150	60	24,5	NA3 100kg	0170881000	Structure: Painted / Stainless steel cover
600 x 600 x 120	150	150	24,5	NA3 300kg	0170882000	Structure: Painted / Stainless steel cover
800 x 800 x 120	150	150	47	L6F 250kg	0170884000	Structure: Painted / Stainless steel cover
800 x 800 x 120	150	300	47	L6F 500kg	0170885000	Structure: Painted / Stainless steel cover