



INDICATOR
**INDUSTRIAL
SOLUTIONS**

MULTIFUNCTION INDICATOR

TIGRIS C



LCD DISPLAY
PLATFORM VERSATILITY
RS232 COMMUNICATION
INTUITIVE OPERATION

Model
TIGRIS C

CERTIFIED BY GRUPO EPELSA SLU



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Multifunction display

TIGRIS C

TIGRIS C INDICATOR

The Tigris C weighing indicator represents an advanced solution designed for accuracy and versatility in industrial weighing environments.

Its robust AISI-304 stainless steel housing, with IP-64 protection rating, guarantees durability and resistance in demanding conditions. The possibility of wall mounting in stainless steel facilitates its installation on walls or columns, adapting to various configurations.

This device goes beyond simple weighing, offering specialised functionalities such as the weighing of live animals and/or pets, piece counting, weight only with tare and accumulation/printing of weighs... In addition, it stands out for its communication capacity through the RS-232 channel, allowing connection to printers, computers and repeaters. With the connection to various printers and repeater models, the Tigris C is positioned as an essential tool in environments where accuracy and efficiency are essential.



Characteristics

Type	Industrial indicator
Material	Stainless steel
Divisions	Approved 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.
Protection	IP 64
Battery	iInternal 6V4Ah lead battery, with up to 30 h of autonomy.
Dimensions	20,4 x 14,4 x 7,8 cm Packaging ~28x25x19 cm
Weight	2Kg



General features

It features a simplified LCD display interface. Ideal for applications where simplicity and efficiency are a priority.

The Trigris C Industrial Indicator has a housing made of AISI-304 stainless steel, with an IP-64 protection rating. Designed for wall or column mounting, it offers 7 functional membrane keys, including ON/OFF function. The display is a 6-digit 1" LCD with backlight.

This indicator provides metrological access from inside the housing and has a stainless steel bracket for column and/or wall mounting. It includes a real-time clock and features an internal resolution of 2,000,000 dots, with a maximum adjustment resolution (internal use) of 50,000 divisions. It is approved up to 10,000 divisions, with 2 ranges up to 5,000 divisions.

Maximum sensitivity is 1 μ V/division, with a load cell supply voltage of 5 Vdc. Maximum input excursion is -5~20 mV DC, allowing connection of up to 4 x 350 Ω (or 8 x 700 Ω) load cells. It incorporates an internal 6V4Ah lead-acid battery, with autonomy of up to 30 hours.

It has an RS-232 channel for connection to PC or printer, with various ticket formats, and PROFINET or PROFIBUS channels as variants. Maintenance is limited, requiring only cleaning if necessary. It operates in a temperature range of -10 $^{\circ}$ C to +40 $^{\circ}$ C, with a humidity limit of \leq 85% RH.



LMI Platform

The Tigris C Indicator can be adapted to any platform. At EPELSA we recommend LM and LMI platforms, in all sizes (30x30 to 80x80cm). These platforms are used to create Explorer industrial assemblies. Robust sets for all types of weighing. This weighing set stands out for its ability to adapt to various industrial needs, providing accurate measurements and facilitating the efficient management of loads in demanding work environments.



Stainless steel LMI platform without cover



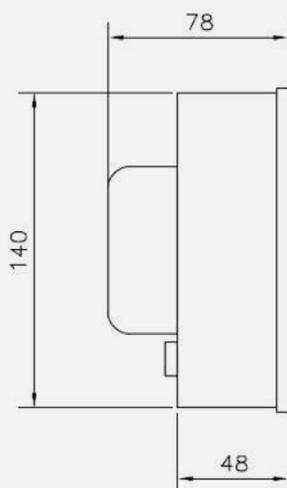
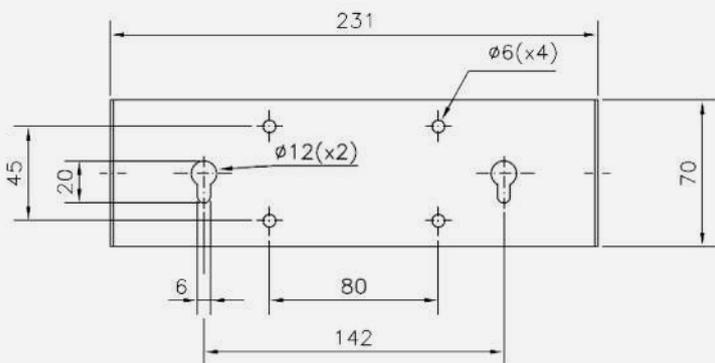
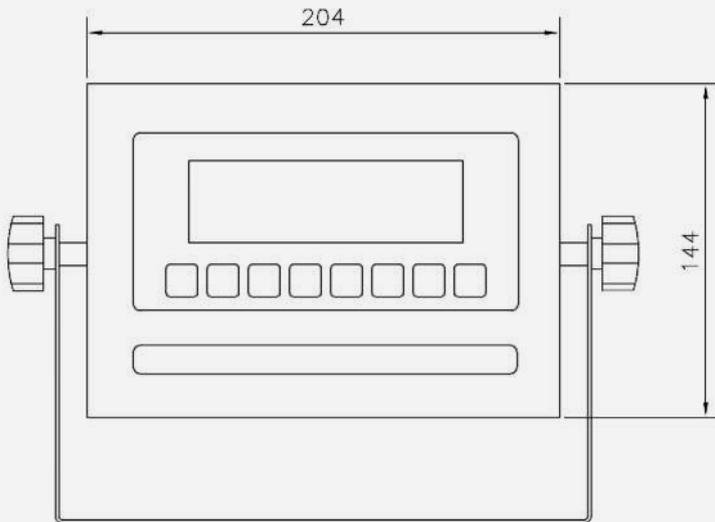
LMI platform with holster



LMI platform and viewfinder column

TIGRIS C INDICATOR

Technical drawings



Technical data

Technical characteristics

- » Maximum number of approved scale intervals $n \leq 10000$
- » Minimum input voltage per check scale interval $1 \mu\text{V} / e$
- » Input signal voltage $-5 \sim 20\text{mV DC}$
- » Excitation circuit 5 V DC
- » Minimum load cell impedance 87Ω . Connection of up to 4 load cells of 350Ω .
- » AC power supply $\text{AC}100 \sim 240\text{V}$, $50 \sim 60\text{Hz}$
- » Power consumption: 11 W max. (with 4 load cells of 350Ω).
- » Lead-acid battery $6\text{V}4\text{Ah}$ or Li-battery $7.4\text{V}4\text{Ah}$ 30h
- » Ambient temperature $-10 \text{ }^\circ\text{C} \sim +40 \text{ }^\circ\text{C}$
- » Humidity $\leq 85\% \text{ RH}$

SOFTWARE

- » Tare weight and weight accumulation/printing weights.
- » Piece counter.
- » Over/Under with buzzer.
- » Maximum Value Detection.
- » Weighing of live animals and/or pets.
- » Weight tracking in ADC conversion.
- » Date and Time format programming and Date printing format.
- » Communications by RS-232 channel for Printer, Computer (Standby Request, Each Conversion or Key Reception) or Repeaters (RP/RPI and RP66 Range).
- » Language selection for printed texts.

Supported peripherals

- » Connectable printers:
 - EPSON TM-U220D
 - Generic-IBM Compatible
- » REPEATER
 - RP-7 Repeater
 - RPI-7 Repeater
 - RPI-12 Repeater
 - RP-66 Repeater

Certificaciones

Certified according to WELMEC Guide 8.8 and 2.1 and EN 45501:2015 and OIML R76-1 (2006), for non-automatic weighing instruments, No. TC12604, issued by NMi Certin B.V., The Netherlands.

References

MODEL	REFERENCE
VISOR TIGRIS C	0170921000
VISOR TIGRIS C PROFINET	0170921100
VISOR TIGRIS C PROFIBUS	0170921200