TS 01
Touch screen weight indicator

1. Product

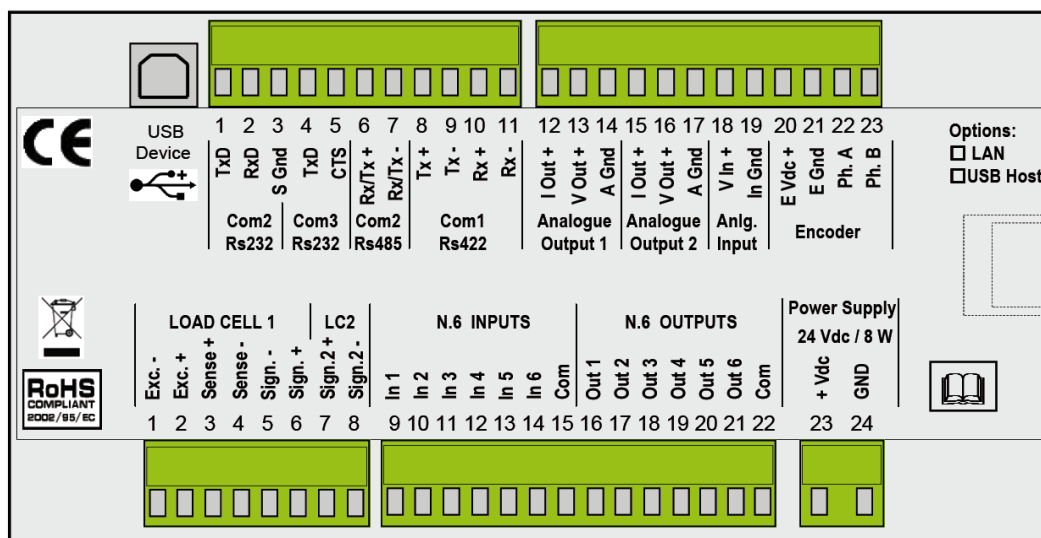## 2. Technical features

Power Supply	24 Vcc (± 15 %)
Max Consumption	10 W
Insulation	Class I
Installation Category	Cat. II
Operating temperature	-10°C / +50°C (max humidity 85% non-condensing)
Storage temperature	-20°C / +60°C
Display	LCD 5.2" Graphic lcd (240x128 pixels), High contrast monochrome (black/white)
	White leds backlight, adjustable intensity
Keyboard	Touch screen 4 wires resistive, suitable for use with gloves, buzzer
Overall dimensions	196mm x 105mm x 70mm (l x h x p)
Mounting	Panel mount (drilling template 187mm x 97mm)
Case material	Aluminum panel with polycarbonate cover and stainless steel retrobox

Front protection degree	IP65
Connections	Removable terminal block 5.08 / 7.5 mm pitch, USB standard connectors
Load cell power supply	5 Vcc / 120 mA (max 8 load cells of 350Ω) short circuit protected
Sensitivity	0.02 µV min.
Linearity	< 0.01% of full scale
Drift Temperature	< 0.001% of full scale / °C
A/D resolution	24 bit
Input range	From –7.8 mV/V to +7.8 mV/V
Sample rate	From 12.5Hz to 250Hz
Digital filter	Configurable from 0.2Hz to 50Hz
Serial ports	Rs232 / Rs485 / USB device
Logical outputs	6 insulated max 30Vdc, max 60 mA
Logical Inputs	6 insulated 24 Vdc PNP (with external power supply)
Clock and calendar	Integrated with buffer battery
Conformity standard	EN50081-1, EN50082-2, EN61010-1

OPTIONS

N° 2 Analog outputs with 16 bits	0 - 10 V / 0 - 5 V / 0 - 20 mA / 4 - 20 mA		
24 Bits analog input	0 - 5 Vcc / 0 - 10 Vcc		
Encoder input	2 phases incremental with 24 Vdc power supply (max 100 mA)		
	Acquisition frequency 2 KHz max		
Ethernet	TCP/IP, UDP, ARP, ICMP, ModBus/TCP protocols		
USB Host	USB host interface WITH fat 16/32 file system		
Profibus DP	DP-V1		

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3. Connections

4. Software parameters

TYPICAL APPLICATIONS

Multi-component automatic batching system, with formulas and totals

Loss-in-weight gravimetric feeders and belt weighing systems

Dynamic and static check weighers

Batching systems for drums filling and bagging fillers

OPERATING DATA MANAGEMENT

Machine status full control on display, by using graphic icons

Process data storage fi le system FAT16/32 compliant

Direct data interface with PC environement via USB flash drive

Customized logos, printouts, names via USB

Several selectable languages

SETTING-UP

User friendly set-up by LCD touch screen

Download and upload of confi guration files

Firmware updates in field via Rs232 / USB