Atex and Stainless Steel **MCT S 1302 (ATEX 2,22)**

available with certification • EAC • ATEX • OIML

General information

PWS23920250722

The MCT S 1302 atex and stainless steel is a touch screen weight indicator ideal for every type of weighing, in particular for static weighing and loading / unloading and multi-component weighing. It is easy to install and to use and it owns a multilingual menu. The MCT S 1302 product can be customized according to custmores' needs.

Software Optimation 1.8.29: optimation_weighing_software.zip

Safety Notes: mct_s_1302_atex_safety_notes_en.pdf

Technical Manual: mct-1302_technical_manual.pdf

All indicated data may be changed without notice.
All the measures indicated are expressed in millimeters (mm).

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Industrial Electronic Weighing Systems since 1963

Technical specifications

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Legal for Trade:	certification available on request
Measuring range:	-3.9 ÷ +3.9 mV/V
Input sensitivity:	0.02 µV/count
Full scale non-Linearity:	< 0.01 %
Gain drift:	< 0.001 % full scale/°C
Display:	graphic LCD (240x128 pixel)
A/D Converter:	24 bit; internal resolution up to 16.000.000
Trasducer input voltage:	5 Vdc (max 8 load cells - 350 Ohm)
Frequency signal acquisition:	12 ÷ 1000 Hz
Visible resolution (in divisions):	999999
Divisions value (adjustable):	x1, x2, x5, x10, x20, x50; 4 decimal points
Temperature range:	-10 ÷ +50°C (max umidity 85% without condensation)
Storage temperature:	-20 ÷ +70°C
Filter:	0.1 ÷ 250 Hz
Logic output:	6 opto-isolated; max 24 Vdc/100mA each
Logic inputs:	6 optically isolated 24 Vdc PNP (external power supply)
Additional I/O:	up to 4 external modules with 4 in/8-out each (16 in/32 out, total) by independent RS485
Serial port:	1 USB device + 1 RS232C + 1 RS485/Fieldbus
Analog optional output:	optoisolated 16-Bit Voltage: 0 ÷5/10 V (R min10 K Ohm), Current: 0/4 ÷ 20 mA (R max 300 Ohm)
Analog output Non-Linearity:	< 0,02 %
Temperature drift analog output:	0,001 % FS/°C
Power supply:	18 ÷ 30 Vdc - Power consumption 5 W. Optional 115/230 Vac
Microcontroller:	ARM Cortex M0 + 32 bit 256KB Flash reprogrammable onboard from USB
Data storage:	64 Kbytes expandable up to 1024 Kbytes
Regulatory compliance:	EN61000-6-2, EN61000-6-3 for EMC; EN61010-1 for Electrical Safety, EN45501 for metrology
Fieldbus:	Ethernet 10/100 with protocols TCP, MODUBUS/TCP, UDP, IP, ICMP, ARP; Profinet; Ethernet/IP; ETHERCAT

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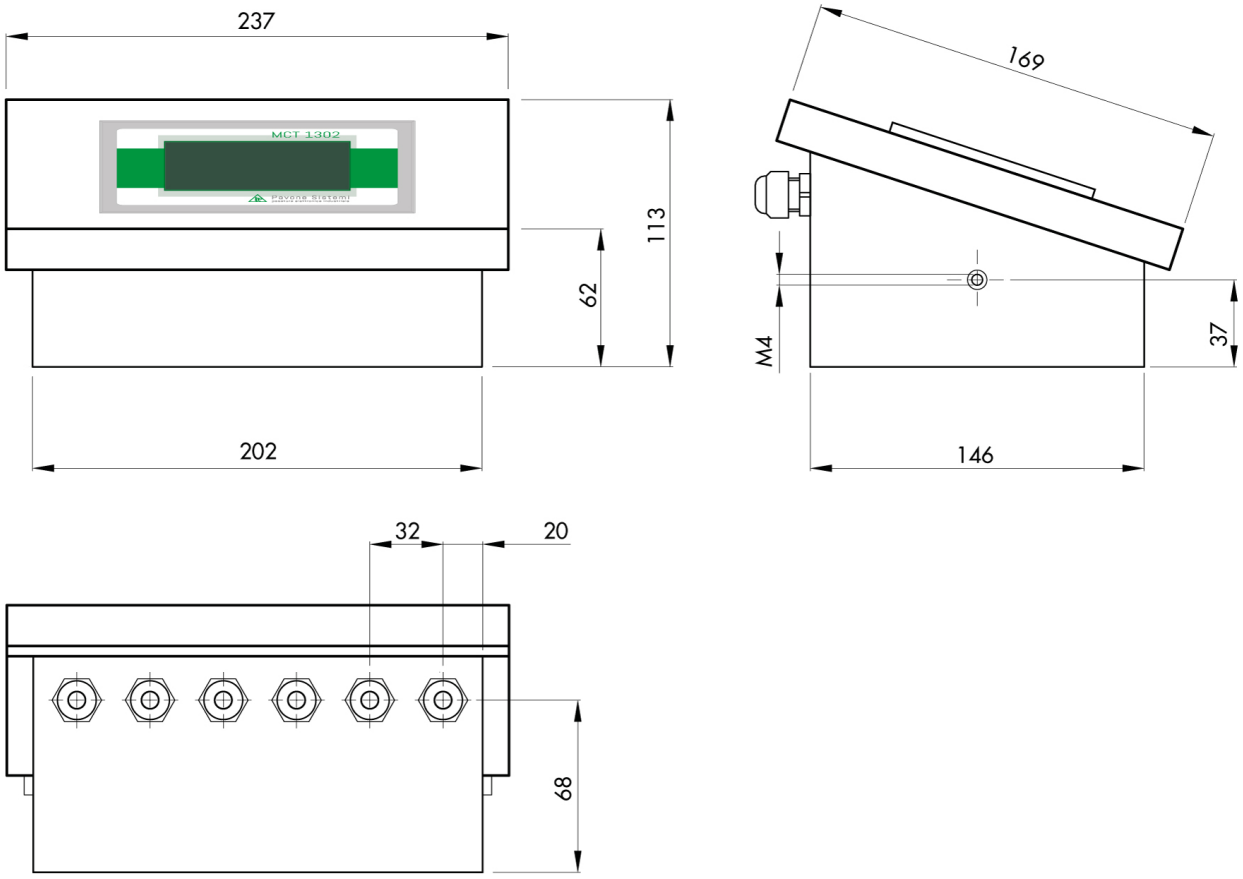

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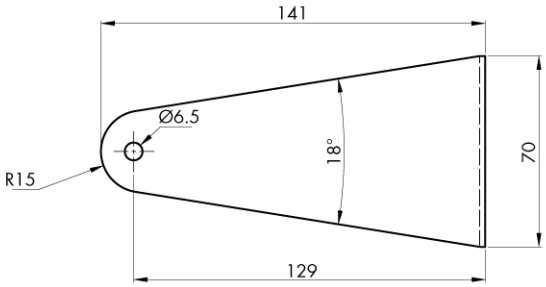

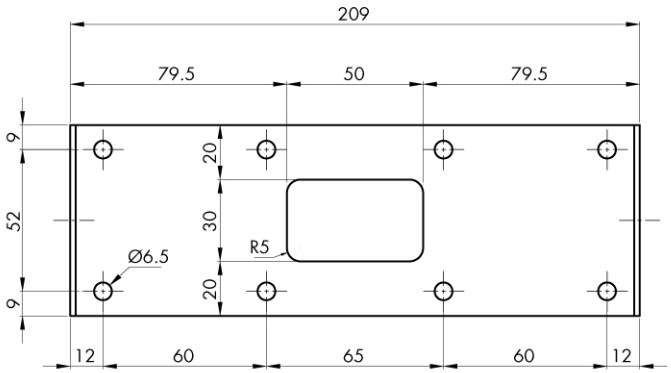

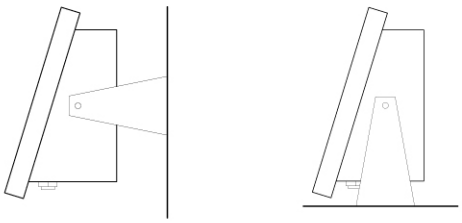

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