

## General information

PWS23920241014

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 customers' needs.



Software Optimization 1.8.29: [optimization\\_weighing\\_software.zip](#)

Safety Notes: [mct\\_s\\_1302\\_atex\\_safety\\_notes\\_en.pdf](#)

Technical Manual: [mct-1302\\_technical\\_manual.pdf](#)

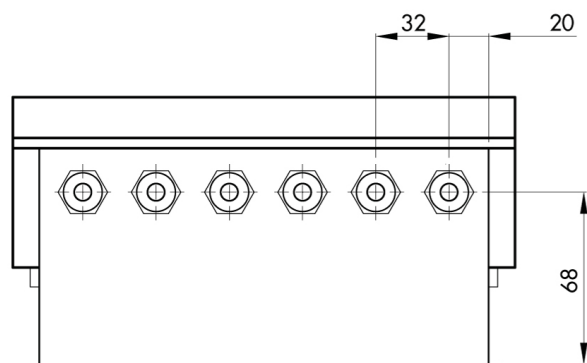
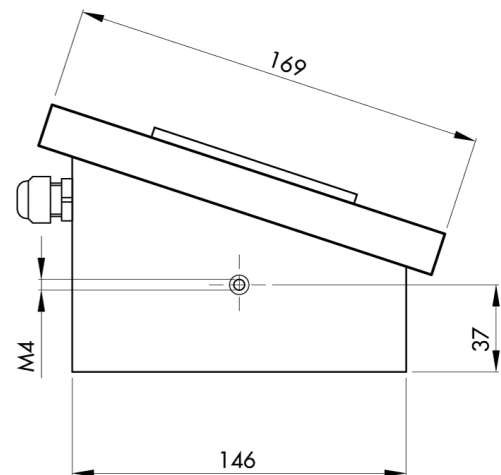
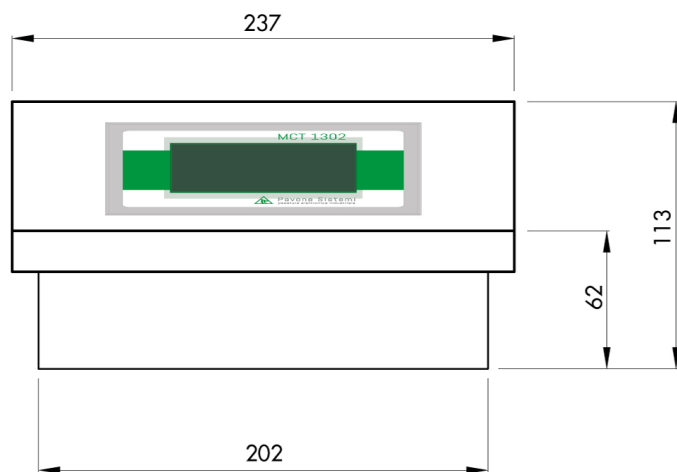
All indicated data may be changed without notice.  
All the measures indicated are expressed in millimeters (mm).

## Technical specifications

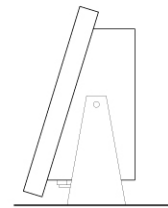
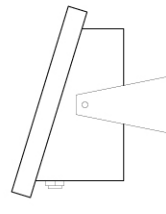
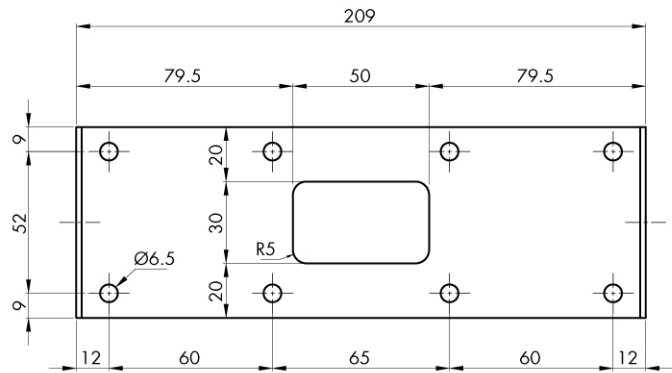
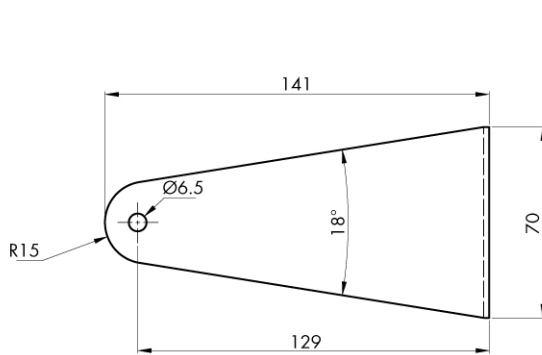
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<b>Legal for Trade:</b>	certification available on request
<b>Measuring range:</b>	-3.9 ÷ +3.9 mV/V
<b>Input sensitivity:</b>	0.02 µV/count
<b>Full scale non-Linearity:</b>	< 0.01 %
<b>Gain drift:</b>	< 0.001 % full scale/°C
<b>Display:</b>	graphic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

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