PAVONESYSTEMS

Technical specifications

PWS32820250819

The MCT 1302 Analog + Canopen touch screen weight indicator is ideal for all types of weighing, in particular for static weighing and loading / unloading and multi-component dosing. It is easy to install and use and can be customized as needed. MCT 1302 Analog + Canopen has a multilingual menu, a touch screen keyboard, removable screw terminal blocks (3.81mm pitch), internal data memory of 64 Kbytes expandable up to 1024 Kbytes and simultaneous availability of Fieldbus and analogue output. The Software Optimation is given for free. This Software allows you to run certain activities such as calibration or monitoring directly from your computer. The Optimation software is provided by Pavone Systems and guarantees a perfect instrument run.

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 % full scale
Gain drift:	< 0.001% FS/°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 cells -350 Ohm)
Frequency signal acquisition:	12 ÷ 1000 Hz
Visible resolution (in divisions):	999999
Divisions value (adjustable):	x1, x2, x5, x10, x20, x50; max 4 decimals
Temperature range:	-10 ÷ + 50°C (humidity max 85% no 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
Power supply:	18 ÷ 30 Vdc - Power consumption 5 W
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
Dimensions:	150x95x26mm (LxWxH) including terminal blocks; 150x95x56mm (WxHxD) with fieldbus options
Fieldbus:	Ethernet 10/100 con protocolli TCP, MODUBUS/TCP, UDP, IP, ICMP, ARP; Profinet; Ethernet/IP; Ethercat
Drilling template:	138 x 82 mm (L x H)

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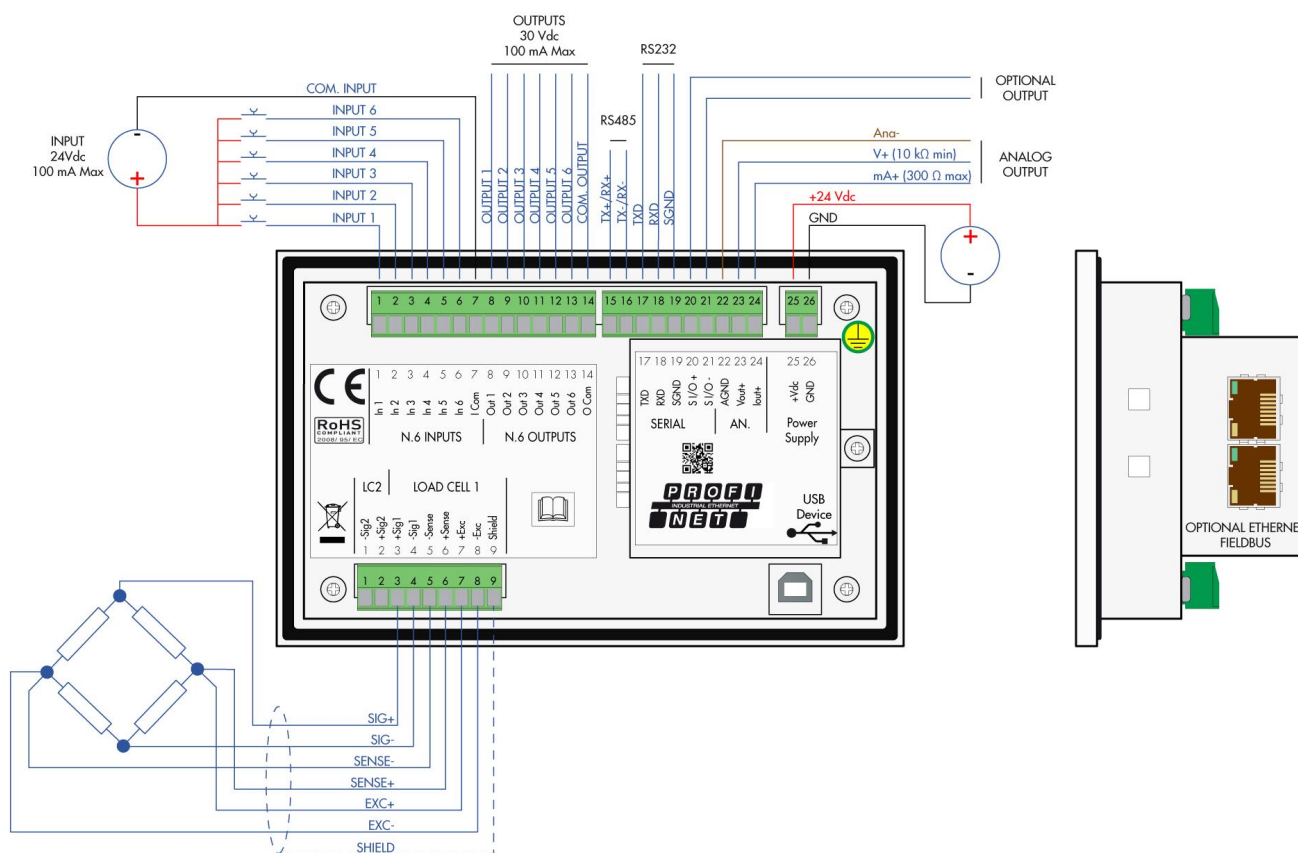
All indicated data may be changed without notice.
All the measures indicated are expressed in millimeters (mm).

PAVONE**SYSTEMS**

OUTPUTS
30 Vdc
100 mA Max

RS232

RS485

COM. INPUT
INPUT 6
INPUT 5
INPUT 4
INPUT 3
INPUT 2
INPUT 1

INPUT
24Vdc
100 mA Max

OPTIONAL
OUTPUT

Ana-
V+ (10 kΩ min)
mA+ (300 Ω max)

ANALOG
OUTPUT

+24 Vdc
GND

OUTPUT 1
OUTPUT 2
OUTPUT 3
OUTPUT 4
OUTPUT 5
OUTPUT 6
COM. OUTPUT
TX+/RX+
TX-/RX-
TXD
RXD
SGND

SIG+
SIG-
SENSE-
SENSE+
EXC+
EXC-
SHIELD

1 2 3 4 5 6 7 8 9 10 11 12 13 14 | 15 16 17 18 19 20 21 22 23 24 | 25 26

CE

RoHS
COMPLIANT
2008/95/EC

1 2 3 4 5 6 7 8 9 10 11 12 13 14
In 1 Out 1
In 2 Out 2
In 3 Out 3
In 4 Out 4
In 5 Out 5
In 6 Out 6
I Com O Com

N.6 INPUTS   N.6 OUTPUTS

LC2 | LOAD CELL 1
-Sig2 +Sig2 -Sig1 +Sig1 -Sense +Sense +Exc -Exc Shield
1 2 3 4 5 6 7 8 9

17 18 19 20 21 22 23 24 | 25 26
TXD
RXD
SGND
S I/O +
S I/O -
AGND
Vout+
Iout+
+Vdc
GND

SERIAL | AN. | Power Supply

PROFI
INDUSTRIAL ETHERNET
NET

USB
Device

OPTIONAL ETHERNET
FIELDBUS