



- Frequency acquisition A/DC signal up to 1000 Hz
- DATALOGGER function (optional)
- Capacitive keyboard
- Fieldbus + analog output on board at the same time
- Removable screw terminal blocks
- Mounting Type: DIN rail & assembly kits for front-panel
- All Fieldbus available: Profinet, Ethercat, Ethernet IP, Ethernet, Devicenet, Profibus
- Future options:
 - Two independent weighing channels
 - Analog voltage/current input
 - Connection to I-BOX external via RS485

TECHNICAL CHARACTERISTICS DAT 1400


Instrument power supply:	12-24 Vdc \pm 15% - Power consumption 5 W
Measuring range:	-3.9 \div +3.9 mV/V
Input sensitivity:	0.02 microV/div
Linearity:	< 0.01% FS
Temperature drift:	< 0.001% FS/ °C
Display:	6 digit, 7-segment LED red, height 14mm
A/D converter:	24 bit
Internal resolution:	> di 16.000.000 points
Frequency signal acquisition:	12 \div 1000 Hz
Display resolution:	999.999 displayable divisions on net weight
Value divisions (selectable):	x1, x2, x5, x10, x20, x50
Decimals setting:	0.0 ; 0.00 ; 0.000; 0.0000
Filter:	Selectable 0.5 to 1000 Hz
Keyboard:	capacitive, 4 keys
Transducer input voltage:	5 Vdc (max 8 -350 Ohm- load cells)
Operating temperature:	-10/+ 50 ° C (humidity max 85% no condensation)
Storage temperature:	-20/+70°C
Logic outputs:	2 opto-isolated; MAX 24 Vdc/100 mA each
Logic inputs:	2 opto-isolated 24 Vdc PNP (external power supply)
Serial ports:	1 USB device + 1 RS232C + 1 RS485/Fieldbus
Peak Hold function:	for dynamic measurements
Optional analogue output:	optoisolated 16-Bit Voltage: 0 to 5/10 V (R min10 K Ohm), Current: 0/4 to 20 mA (R max 300 Ohm)
Analog output linearity:	< 0,02% FS
Temperature drift analog output:	0,001% FS / °C
Microcontroller:	ARM Cortex M0 + 32 bit 256KB Flash reprogrammable onboard from USB
Data storage:	64 Kbytes expandable up to 1024 Kbytes (optional)
Regulatory Compliance:	EN61000-6-2, EN61000-6-3 for EMC; EN61010-1 for Electrical Safety
Electrical connections:	5 mm terminal blocks, removable

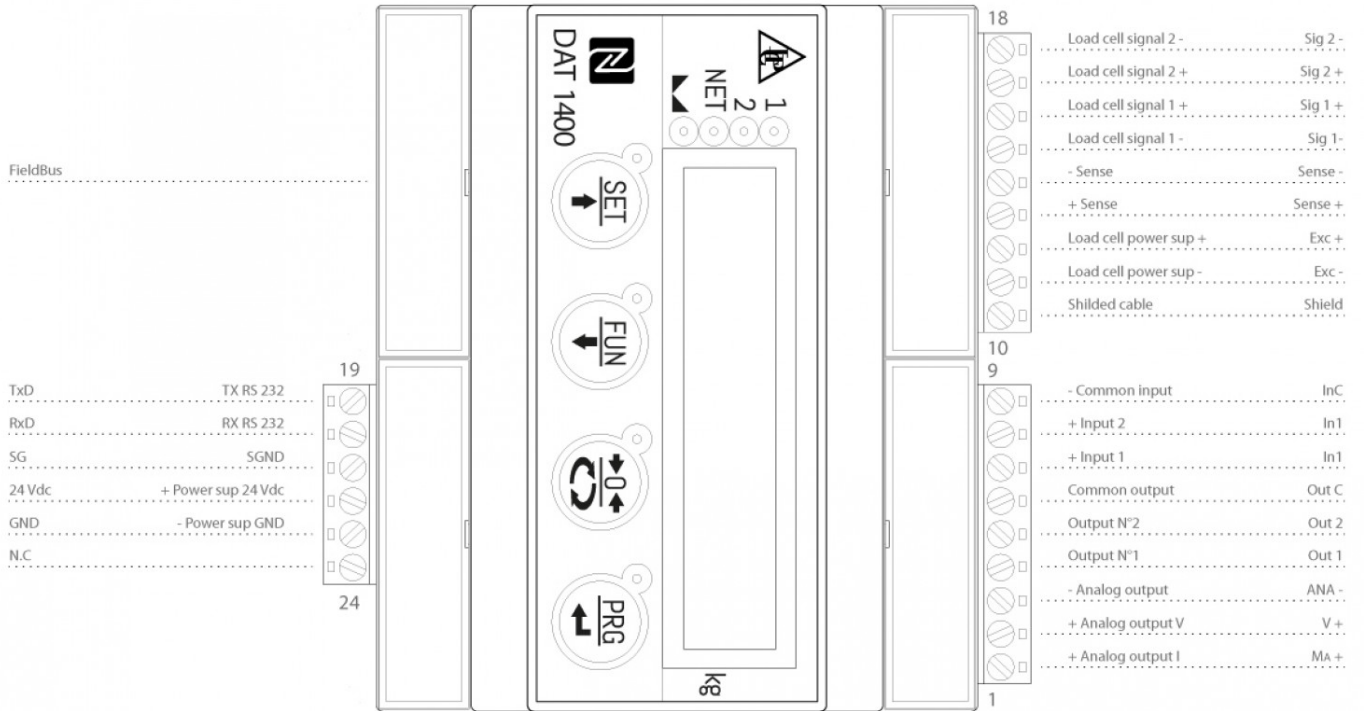




WEIGHING INST.

new products

DAT 1400

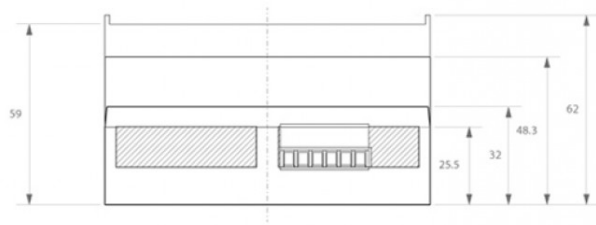
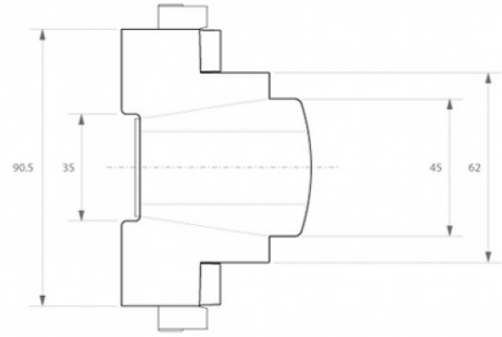
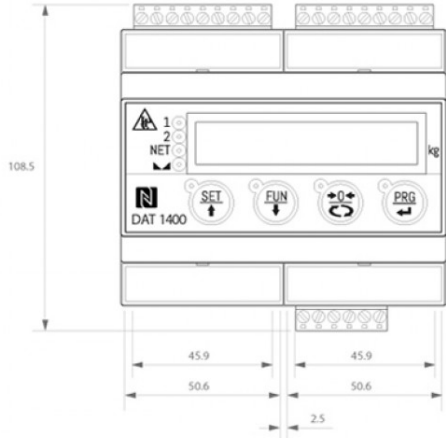




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RS 485/Modbus

Profibus

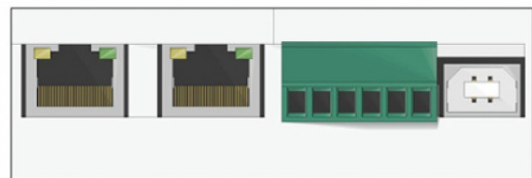
CANopen



Ethernet



DEVICENET



Ethercat

Ethernet/IP

PROFINET

Serial communication interface

