



SPECIFICATIONS

<p>Wiring</p> <p>Sense system</p> <p>Minimum bridge resistance</p> <p>Number of load cells</p> <p>Sensitivity</p> <p>A/D Conversion Speed</p> <p>Internal Resolution</p> <p>A/D Converter type</p> <p>Display Resolution</p> <p>Display Step</p> <p>Decimal Comma</p> <p>Full Scale Range</p> <p>Excitation voltage</p> <p>Linearity</p> <p>Offset Drift</p> <p>Span Drift</p> <p>Digital Filter</p> <p>Calibration Methods</p> <p>Weighing Functions</p> <p>Memory Allocation</p> <p>Processor</p> <p>Piece Counting Mode</p> <p>Real-Time Clock</p>	<p>Full Wheatstone bridge with sense connections (6 wire system).</p> <p>Active sense system, suitable for safety barriers.</p> <p>87.5 Ohm @ 10V exc.</p> <p>1 - 4 Load cells 350 Ohm @ 10V exc. (approved scales)</p> <p>1 - 12 Load cells 1100 Ohm @10V exc. (approved scales)</p> <p>1 uV/Vsi @ 10Vexc. for approved scales. (= similar to 0.5uV/Vsi @ 5V exc).</p> <p>0.1 uV/Vsi @ 10V exc. for non-approved scales.</p> <p>50 - 1000 samples per second. (selectable)</p> <p>24 Bits (16.777.216 parts).</p> <p>Sigma-Delta, ratio metric, isolated from digital.</p> <p>10 000 (approved scales)</p> <p>100 000 divisions max. (non-approved scales)</p> <p>x1, x2, x5, x10, x50.</p> <p>Selectable between any digits of the weight display.</p> <p>-0.25 to +2.5mV/V (-2.5mV to +25mV).</p> <p>10 VDC. (+5V and - 5V with respect to the internal ground).</p> <p>< 0,001 % of full scale.</p> <p>< +/- 2 ppm/°C.</p> <p>< +/- 2 ppm/°C.</p> <p>Static filter 1Hz – 10Hz</p> <p>Dynamic filter 1-10 Hz</p> <p>Overall filter 0 to -50 dB.</p> <p>Dead load and Span with up to 8 point linearization, millivolt calibration</p> <p>GPS calibration (Gravity correction)</p> <p>Calibration of 4 analog inputs and 4 analog outputs with individual coefficients.</p> <p>Automatic zero tracking, motion detection, zero, tare, preset tare, net mode. Peak hold, Valley hold, Bar graphs Multi range, Multi interval</p> <p>Calibration data Flash, Dynamic data in SRAM with battery backup.</p> <p>ARM7 @ 72MHz.</p> <p>Yes. (pending)</p> <p>Standard with NiMh battery backup.</p>
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ENVIRONMENTAL

<p>Operating Temp</p> <p>Storage Temp</p> <p>Relative Humidity</p>	<p>-10°C to +40°C [14°F to 104°F]</p> <p>-20°C to +70°C [-4°F to 158°F]</p> <p>40 – 90% non-condensing.</p>
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APPROVALS

<p>OIML R-76</p> <p>EU-type approval no</p>	<p>10 000d single or multi interval.</p>
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ELECTRICAL

Power Supply

100 – 240 VAC 50/60Hz, 20W max.
9 – 18 VDC or 18 – 36 VDC optional.



STANDARD COMMUNICATION PORTS

RS 232	Printer, ASCII, TP slave, TP Master, NPV Slave, NPV Master, AMI Master, Hostlink Viewteq, Hostlink PLC
RS 422/RS485	Printer, ASCII, TP slave, TP Master, NPV Slave, NPV Master, AMI Master, Hostlink Viewteq, Hostlink PLC
Ethernet	TCP/IP, UDP layer with PENKO TP protocol
USB	Printer, ASCII and TP slave
CANBUS	Buslink
-CAN1 port	
-CAN2 port	
PROFIBUS	Profibus GSD File

COMMUNICATION SOFTWARE

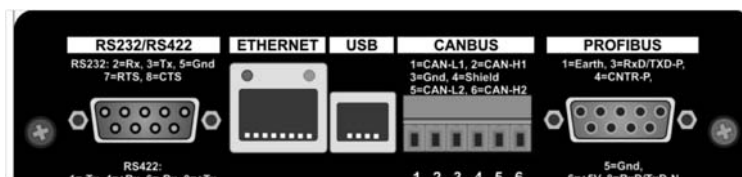
Profibus GSD File	For Profibus. With Sub D.....
Penko Two Fase Protocol	
Printer protocol	

TOUCH SCREEN

Display type	High resolution TFT LCD 640 x 480 pixels, 256 colors, High brightness 500 cd/m2. High Contrast 350:1
Display functions	Completely menu driven with graphical user interface
Display Rate	Selectable 1,2,3,5,10 or 25 updates/s
Display Filter	0, -6,-12,-18,-24, -30 and – 50 dB
Display Filter range	Selectable in any range of the weight display
Display suppression	Selectable in any range of the weight display
Status enunciators	Zero, Net, No Motion.
Weight Digits	6 digits with leading zero suppression, selectable height = 18mm or 9 mm.
Display operation	Operate, configure and calibrate via three interfaces 1- Front panel, (Touch screen) 2- RS232 3- Ethernet
Touch screen	Glass screen, 2 mm of resistive type
Display size	5,7 inch, (145 mm)
Display material	Front foil PET 175 u

STANDARD COMMUNICATION

Communication RS232, RS422, RS485, Ethernet, USB, Canbus and PROFIBUS DP,



HOUSING

Material	Housing extruded aluminum, black powder coating Front machined aluminum, black anodized.
Dimensions Front: W x H x D	170 x 150 x 5 mm. depth
Dimensions Housing: W x H x D	137,5 x 137,5 x 119 mm. (depth without connectors).
Dimensions Panel cut out	138,5 x 138,5
Weight without options	appr. 1700 g.
Option board weight	appr. 120 g. (4 AI, 4 AO I/O board)
Option board weight	appr. 75 g. (8 DI, 16 DO)
Option board weight	appr. 75 g. (16 DI, 8 DO)
Mounting Clips	2 mounting clips
Rubber seal	O-ring of mosrubber
Built in Cabinet	IP 45
If Build in a Cabinet (Front)	IP 65