



EVA High End



Panel mount



Stainless steel mount

Features

- Max. 1000 samples/s (selectable) with high accuracy for fewer errors
- Fast, easy and accurate solution for measuring the transporting mass
- FREE software available for programming!
- Configurable touch screen
- Ultra clear visual information at your fingertips
- High resolution 5.7 inch colour TFT touch screen
- Compact aluminum housing with up to 60 I/O's built in, 40% smaller than similar designs
- Comprehensive communication via RS232, RS422, RS485, Ethernet, USB, Canbus and Profibus DP protocols
- Communication with remote devices

Technical Data

Specifications

Wiring	Full Wheatstone bridge with passive connections (6-wire system).
Sense system	Passive sense system
Minimum bridge resistance	43.75 Ohm @ 5V exc.
Number of load cells	1 channel 1 - 8 Load cells 50 Ohm @ 5V exc. or 1 - 16 Load cells 1100 Ohm @ 5V exc.
Sensitivity	0.1 - 0.5 µV minimum voltage for verification scale
A/D Conversion Speed	1600 measurements per second
Internal Resolution	24 Bits (16,777,216 parts)
A/D Converter type	Sigma-Delta, radiometric isolated
Display Resolution	100,000 divisions max.
Display Step	x1, x2, x5, x10, x50
Decimal Comma	Selectable between any digits of the display value
Full Scale Range	-25 mV to +25 mV
Excitation voltage	5 VDC (+2.5V and -2.5V with respect to the internal ground)
Linearity	< 0.001 % of full scale
Offset Drift	< +/- 2 ppm/°C
Span Drift	< +/- 2 ppm/°C
Digital filters	High performance Digital Filter 1- 10 Hz
Overall filter	0 to -50 dB
Calibration Methods	Dead load and Span with up to 8 point linearization, Millivolt calibration G - CAL (Gravity correction)
Measurement Functions	Automatic zero tracking, motion detection, zero, tare, preset tare, net mode, peak hold, valley hold, bar graphs multi range, multi interval
Memory Allocation	Calibration data Flash, dynamic data in SRAM with battery backup
Real-Time Clock	Standard with NiMH battery backup

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Product Information



REMBE® GMBH
SAFETY+CONTROL

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Standard DI & DO

8 Digital Inputs	8 DI, optical isolated, 1 common, 18- 36 VDC, PNP or NPN Input 1 normal or counter input up to 8 kHz
8 Digital Outputs (level cont.)	8 DO isolated PhotoMOS outputs, 2 common max 36 VDC or AC, 0.5A Nominal, 1 A Surge (thermal fuse 0.5 A), PNP or NPN.

Optional I/O

1 Analog Output	1 Analog output 4-20 mA, 0-20 mA or 4-24 mA
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Electrical

Power Supply	100 - 240 VAC 50/60 Hz, 15 W max.
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Standard Communication Ports

RS 232	Printer, ASCII, TP slave, TP Master, NPV Slave, NPV Master, AMI Master, Hostlink Viewteq, Hostlink PLC
RS 422 / RS 485	Printer, ASCII, TP slave, TP Master, NPV Slave, NPV Master, AMI Master, Hostlink Viewteq, Hostlink PLC
Ethernet	TCP/IP, UDP layer with TP protocol
USB	Printer, ASCII and TP slave
CANBUS	Buslink
- CAN1 port	
- CAN2 port	

Optional Communication Ports

PROFIBUS DP	Profibus GSD file
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Communication Software

Profibus	GSD file for Profibus, with Sub D
Two phase protocol	
Printer protocol	

Touch Screen

Display type	High resolution TFT LCD 640 x 480 (8") 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 update/s
Display Filter	0, -6, -12, -18, -24, -30, -36, -42 and - 50 d B
Display Filter range	Selectable in any range of the display value
Display suppression	Selectable in any range of the display value
Status enunciators	Zero, Net, No Motion
Display Digits	6 digits with leading zero suppression, selectable height = 18 mm or 9 mm
Display operation	Operate, configure and calibrate via three interfaces 1 - Front panel, (Touch screen) 2 - RS 232 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

Environmental

Operating Temperature	-10 °C to +40 °C [14 °F to 104 °F]
Storage Temperature	-20 °C to +70 °C [-4 °F to 158 °F]
Relative Humidity	40 – 90 % non-condensing

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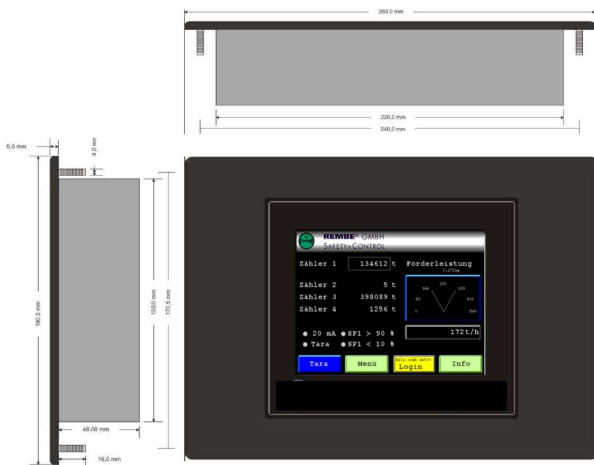
Product Information



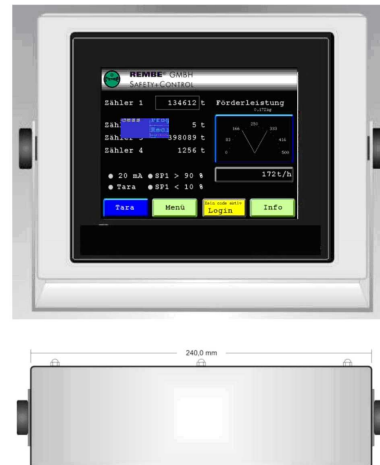
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Dimensions



Panel mount version



Stainless steel version

Panel mount housing

Material housing	extruded aluminum, black powder coating
Front machined aluminum	black anodized
Dimensions front: W x H x D	260 x 191 x 5 mm
Dimensions housing: W x H x D	220 x 150 x 48 mm
Dimensions panel cut out	224 x 154 mm
Weight approx.	1,700 g
Mounting clips	2
Rubber seal	O-ring of mosrubber
Built in cabinet	IP 45
If build in a cabinet (front)	IP 65

Stainless steel mount housing

Material housing	Stainless steel
Dimensions front	W x H x D
Dimensions housing	W x H x D
Weight approx.	2,300 g
Protection	IP 65



Your Benefits

- User friendly menu
- Clear visual information
- Free programmable
- No communication limits

Quality and Service

REMBE® Measuring Systems guarantee a reliable and precise online control at all times. The manufacture of these products is subject to the highest quality requirements in accordance with DIN-EN ISO: 2008, CSA, etc.

For the fulfilment of individual requirements, we offer our customers

- professional expertise
- long-standing application experience
- competent consultation
- comprehensive product range
- on-site Service (commissioning, maintenance & repair)