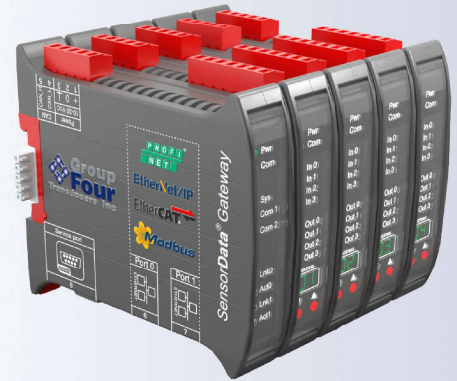


The type GLDM64.1 is a multichannel load cell amplifier system, that when used with the EGM187.1 gateway module can be interfaced with EtherNet/IP network systems.



FEATURES

- Precise load cell amplifier with an accuracy of 0.001%.
- CAN interface.
- Full duplex RS232 interface
- 1200 measurements per second.
- Upto 32 channels in the bussystem .
- Space saving DIN rail mounting.
- Free DOP4 software for easy configuration of devices.

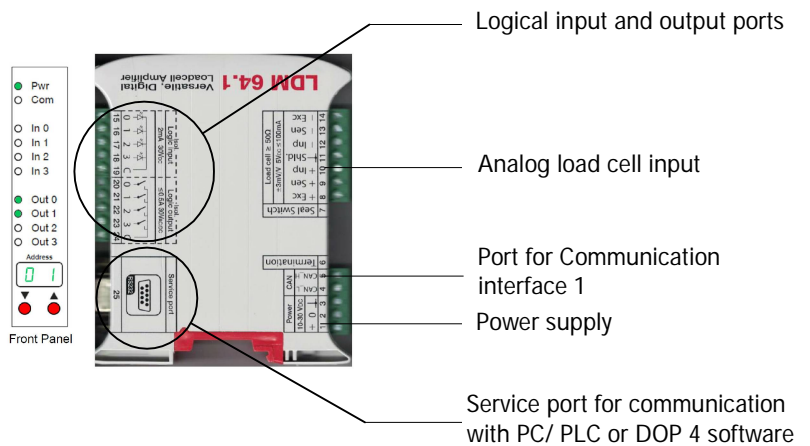
APPLICATIONS

- Advanced weighing system with EtherNet/IP communication PLCs.

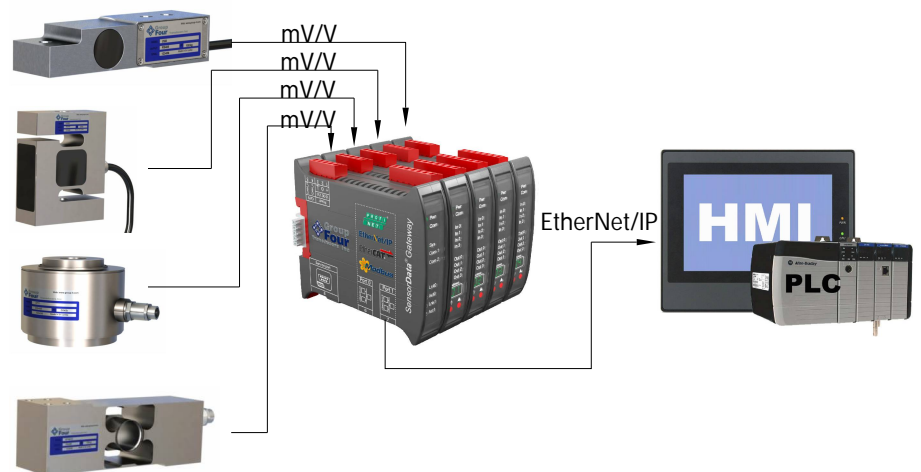
OUTLINE DIMENSIONS

Overall dimensions:

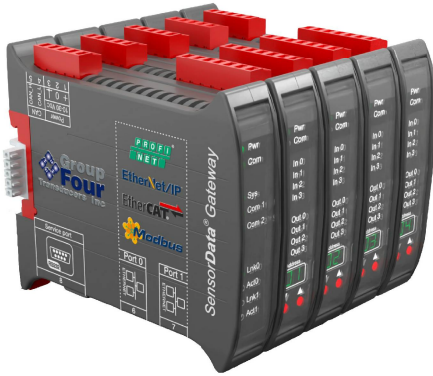
Height /length/width L:105mm (4.1"); H:120mm (4.7"); W:22.5mm (.9")



Bussystem with EGM187.1 Universal Ethernet Gateway



digital accessories GLDM64.1



WIRING

Load cell input port

Pin no.	Description
8	+Exc
9	+Sen
10	+Inp
11	Shield
12	-Inp
13	-Sen
14	-Exc

Port for communication interface 1

Pin no.	Description
4	CAN_L
5	CAN_H
6	Termination

SPECIFICATIONS

Accuracy class		III or IIII
Test certificate according OIML R76		10 000 intervals or n x 10 000 intervals (n = 1, 2, 3)
Maximum number of verification scale intervals (n)		10 000
Minimum input voltage per VSI	µV	0.2
Measuring range (FS)	mV/V	±3.3
Maximum resolution at FS (approx.)	incr.	±880000
Measuring rate	Hz	9.4 to 1200
Digital filter cut-off frequency (-3dB)	Hz	0.25 to 18
Bridge excitation voltage	VDC	5
Linearity error (relative to full scale)	%	±0.0005
Temperature effect on zero (relative to fullscale)	%/10 K	±0.0003 (Typical)
Temperature effect on span	%/10 K	±0.001 (Typical)
Interface 1 (of GLDM 64.1)		CAN
Bit rate	kbits/s	10 to 1000
Protocol		CAN Open (CAN2.0B)
Interface 2 (of GLDM 64.1)		RS-232
Baud rate	bits/s	9600 to 460800
Frame format		8 data bits, 1 stop bit, no parity bits
Protocols		Readable ASCII
DIN Rail Port (of GLDM 64.1)		CAN
Bit rate	kbits/s	10 to 1000
Protocol		CAN Open (CAN2.0B)
Communication GLDM 64.1 to Gateway EGM 187.1		CAN Open (CAN2.0B)
Address range		1 to 99
Logical inputs		4
Maximum input voltage	VDC	30
Threshold voltage (approx.)	VDC	6
Input resistance (approx.)	kΩ	8
Logical outputs		4
Maximum voltage	VDC	30
Maximum current	A	1.0
Supply voltage	VDC	10 to 30
Power consumption @ 24VDC and 350 Ω Load Cell	W	<0.75
Operating temperature range	°C	-15 to +55
Storage temperature range	°C	-30 to +70

Dimensions and specifications subject to change without notice