

GAC Series

Large Digital Displays

FEATURES

- Suspension-Mounted Large LED Displays
- Digit Heights: 57, 102, 144, 203 and 280 mm
- Sealed IP 65 for Models 057, 102, 144;
IP 54 for models 203 and 280
- Fully Corrosion Resistant
- Adjustable Brightness
- Power Supply: 95 to 265 VAC,
optional 11 to 30 VDC or 48 VAC
- Input: 0 to 10 V, 0 to 20 mA or 4 to 20 mA
- Fully Scalable in kg, tonne (t), kN and Other
Engineering Units
- Auto Tare Facility
- Optional RS-232 Serial Output



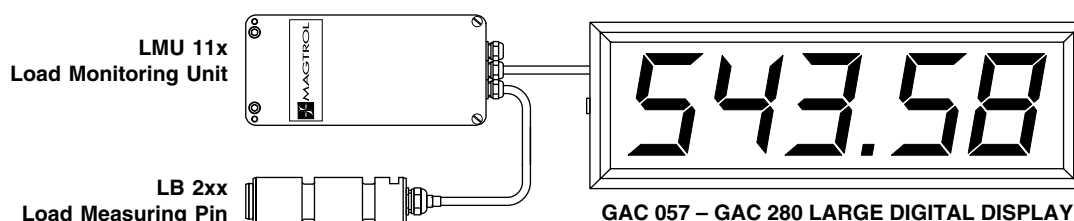
DESCRIPTION

For use with Magtrol Load Monitoring Units (LMUs) and Load Conditioners (AN Series), these high quality, large character digital displays are used for crane weight display, process weight display and all remote weighing applications. They use microprocessor based technology for high reliability and have a nonvolatile memory for all calibration data.

LOAD-FORCE-WEIGHT SYSTEMS

Magtrol Large Digital Displays are used with our Load Monitoring Units (LMUs) or Signal Conditioners (AN Series) as part of a complete measurement system. Magtrol Load Measuring Pins, which measure load and force and provide overload protection, are offered along with a wide range of Load-Force-Weight Transducers in various executions and accuracy classes. Combined, these products constitute an ideal safe measurement system which continuously checks for overloads and short circuits.

SYSTEM CONFIGURATION



DIMENSIONS

MODEL	Digit Height		Viewing Distance		Unit Width		Unit Height		Unit Depth*		Weight	
	mm	in	m	ft	mm	in	mm	in	mm	in	kg	lb
GAC 057	57	2.2	20	65	288	11.3	120	4.7	90	3.54	2.5	5.5
GAC 102	102	4.0	40	131	480	18.9	168	6.6	90	3.54	4.5	9.9
GAC 144	144	5.7	60	196	624	24.6	192	7.6	90	3.54	5.5	12.1
GAC 203	203	8.0	80	262	824	32.4	248	9.8	90	3.54	7.0	15.4
GAC 280	280	11.0	110	360	1172	43.1	336	13.2	90	3.54	12.0	26.4

* Unit depth does not include stuffing gland, which is approximately 20 mm (0.79 inches) in length.

RATINGS

SIGNAL PROCESSING	
Voltage Input:	
• Input Range	0–10 V, 1–5 V
• Input Impedance	1.1 MΩ
Current Input:	
• Input Range	0–10 mA, 0–20 mA, 4–20 mA
• Input Impedance	45 Ω
MEASUREMENT DISPLAY	
Type	7 segments
Display Definition	0 to 99999
Digits / Color	5 digits / red
Scaling	Digital zero and span, by remote contact closure menu
Decimal Point	Position by remote contact closure menu
Count by Facility	Forces last digit to count in steps of 1, 2, 5 or 10
ACCURACY	
Resolution	1 part in 20,000
Maximum Error	± 0.02 % of range, ± 1 count
Stability	± 50 ppm / °C span and offset
Read Rate	2.5 readings per second
Response Time	0.5 seconds
POWER SUPPLY	
AC	95 to 265 VAC 50/60 Hz, optional 48 VAC
DC (option)	11 to 30 VDC
ENVIRONMENTAL AND MECHANICAL CHARACTERISTICS	
Operating Temperature	-10°C to +50°C
Storage Temperature	-40°C to +60°C
Protection Class	IP 65 (models 057, 102, 144); IP 54 (models 200, 280)

ORDERING INFORMATION

Model Number:

GAC XXX / X / X / X

Digit Height		Units		Power Supply		Calibration	
57 mm	057	none	0	95 to 265 VAC	1	none	0
102 mm	102	kg	kg	11 to 30 VDC	2	with calibration	C
144 mm	144	tonne (metric ton)	t	48 VAC	3		
203 mm	203	kN	kN				
280 mm	280	other	x				

OTHER OPTIONS

Remote Control

Due to the continual development of our products, we reserve the right to modify specifications without forewarning.



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