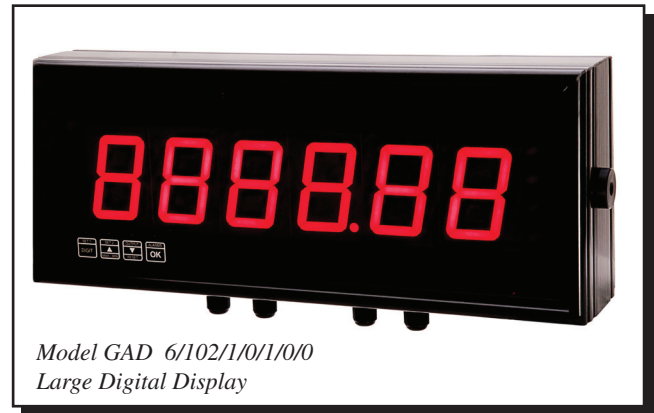


# GAD Series

## Large Digital Displays

### FEATURES

- Suspension-mounted large LED display
- Digit Heights: 57, 102, 150, 200, 300, and 400 mm
- Protection class IP 65 (sealed)
- Fully corrosion resistant
- Adjustable brightness
- Power supply: 100 to 240 VAC  
(optional 11 to 30 VDC or 48 VAC)
- Input: 0 to 10 V, 0 to 5 V or 0 to 20mA, 4 to 20 mA
- Fully scalable in kg, tonne (t), kN, and other engineering units
- Auto-tare function
- Optional voltage (0 to 10 V) or current (4 to 20 mA) output
- Optional RS-232 serial output



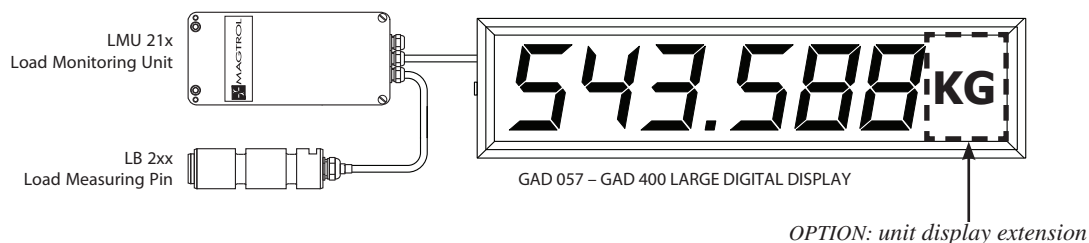
### LOAD-FORCE-WEIGHT SYSTEMS

Magtrol Large Digital Displays are used with 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 to provide overload protection, are available for a wide range of Load-Force-Weight, and in various executions and accuracy classes. Combined, these products constitute an ideal safe measurement system for continuous overload monitoring.

### DESCRIPTION

These high quality, large character digital displays can be used for crane weight display, process weight display, and all other remote weighing applications. They use microprocessor based technology for high reliability and have a non-volatile memory to store all the calibration data.

### SYSTEM CONFIGURATION



### DIMENSIONS

MODEL	Digits	Digit Height	Viewing Distance	Dimensions of the Display				Weight	
				Width		Height*	Depth	4 digits	6 digits
				4 digits	6 digits				
		mm	m	mm	mm	mm	mm	kg	kg
GAD 057 **	4 or 6	57	20	279.5	376	154.5	77	1.3	1.7
GAD 102	4 or 6	102	40	434	616	195.5	77	3.1	3.9
GAD 150	4 or 6	150	60	580	820	246	77	3.9	4.3
GAD 200	4 or 6	200	80	750	1072	290	77	4.7	6.4
GAD 300	4 or 6	300	120	1050	1540	408	77	10.6	14.9
GAD 400	4 or 6	400	160	1368	2020	515	77	13.0	16.0

\* The display height does not include the stuffing glands, which are approximately 25 mm (1 inch) high.

\*\* For the model GAD 057 with 4 digits, adding an optional module requires the unit display extension option.

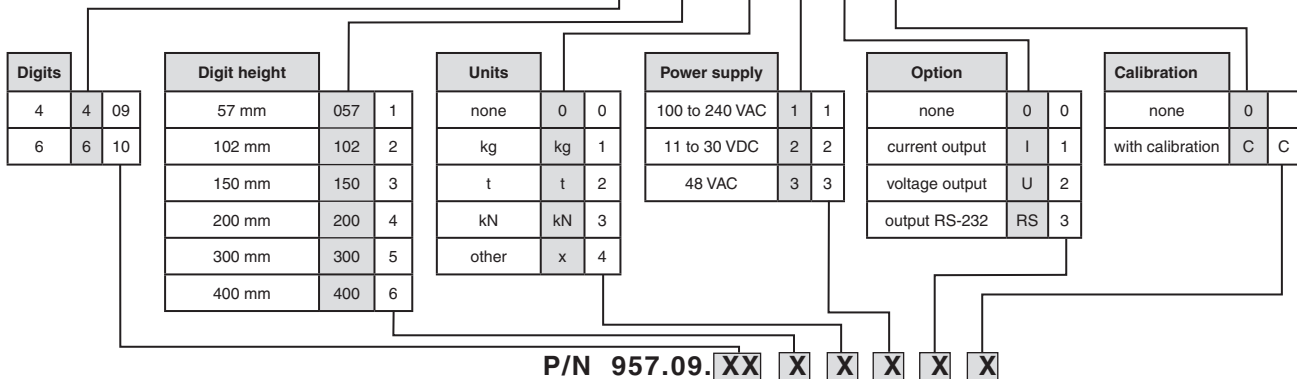
## RATINGS

SIGNAL PROCESSING	
Voltage input: • Input range • Input impedance	0 to 10 V, 0 to 5 V, 1 to 5 V 1 MΩ
Current input: • Input Range • Input Impedance	0 to 10 mA, 0 to 20 mA, 4 to 20 mA 33 Ω
MEASUREMENT DISPLAY	
Type	7 segments
Display definition	-1999 to 9999 (4 digits) or -199999 to 999999 (6 digits)
Digits/Color	4 or 6 digits/red
Scaling	Digital zero and full scale adjustable by programming keys
Decimal point	Position adjustable by programming keys
Filtering/Signal smoothing	Time constant adjustable between 0 and 25 seconds
Count-by function	Round-off of the last digits with steps of 1, 2, 5, or 10
ACCURACY	
Resolution	1/400 000
Maximum error	±0,05% of full scale
Stability	±25 ppm/°C (full scale) and ±30 ppm/°C (offset)
Reading rate	10 readings per second
Response time	0.1 seconds
POWER SUPPLY	
AC	100 to 240 VAC 45/60 Hz, (option) 48 VAC
DC (option)	11 to 30 VDC
Power consumption	40 VA max.
ENVIRONMENTAL AND MECHANICAL CHARACTERISTICS	
Operating temperature	0°C to +50°C (down to -25°C as an option)
Storage temperature	-20°C à +70°C
Protection Class	IP 65

## ORDERING INFORMATION

Model Number:

GAD  /  /  /  /  /



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



[www.magtrol.com](http://www.magtrol.com)

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