



GAMMATRONIX

Gammatronix 12v 24v WITH ALARM battery monitor LED level meter indicator gauge M

Specification



- Just 40 x 40 x 15mm in size.
- Good for all Lead Acid, Gel, or AGM (Glass matt) batteries.
- Works with other battery technologies (Alkaline, NiMh, etc.) if the programmable levels suit your application.
- FOURTEEN levels of indication from 12 LEDs.
- INDICATES BATTERY OVERCHARGE - protect your vehicle or system from overvoltage caused by ALTERNATOR REGULATOR FAILURE.
- Voltage: SELECTABLE 12v or 24V (Max 30v). Accuracy to better than 1%. Unit will operate down to less than 3.8v.
- SIX selectable voltage 'maps' to choose from for each of the 12v and 24v ranges. Settings held after power off for 100 Years!!!
- THREE different display modes (bar-graph, Single LED and Blank display).
- Low Power Consumption: 0.2mA in 'Blank' mode, 2mA in single LED mode, 8mA maximum in multi led mode (all LEDs lit).
- Just two wires to connect.
- Internally PTC fused (self-resetting) and Reverse voltage protected.
- Multiple oversampling - unit takes 10+ readings to obtain greatest accuracy.
- Display LEDs updated over 300 times a second - every second - fast response!
- Supplied with comprehensive printed instruction sheet.

Programming Ranges

Ranges: Unit can be set to use one of the six voltage 'maps' according to below tables. If the unit is programmed to operate at 24v, the values will be twice those shown in the 12v table below. The ranges are optimised for 'Lead acid' batteries which includes Gel and AGM types. Other battery types can be used if a range provided suits your needs.

Units are supplied pre-set to volts map 3 and volts range 1 (standard voltage map 'curve' at 12v operation). You can change this using the programming information supplied.

Volts Map	1 Off load	2 Shallow	3 Std load	4 Med load	5 Heavy Load	6 Deep Discharge
Red Flash	<11.1	<11.5	<10.7	<10.0	<9.6	<7.3
Red 1	> 11.1	>11.5	>10.7	>10.0	>9.6	>7.3
Red 2	> 11.3	>11.7	>11.0	>10.4	>10.1	>9.6
Orange 1	> 11.45	>11.8	>11.1	>10.6	>10.35	>9.9
Orange 2	> 11.6	>11.9	>11.2	>10.8	>10.6	>10.2
Yellow 1	>11.7	>12.0	>11.35	>11.0	>10.8	>10.4
Yellow 2	>11.8	>12.1	>11.5	>11.2	>11.0	>10.6
Green 1	>11.95	>12.2	>11.65	>11.4	>11.2	>10.85
Green 2	>12.1	>12.3	>11.8	>11.6	>11.4	>11.1
Green 3	>12.2	>12.4	>11.95	>11.8	>11.6	>11.2
Green 4	>12.3	>12.5	>12.1	>12.0	>11.8	>11.3
Green 5	>12.45	>12.6	>12.3	>12.2	>11.95	>11.45
Green 6	>12.6	>12.7	>12.5	>12.4	>12.1	>11.6
Red / Green	>15.1v	>15.1v	>15.1v	>15.1v	>15.1v	>15.1v