INNOVATE MOTORSPORTS

DB Digital Air/Fuel Gauge
(Wide-Band Air/Fuel text)
LC-1 Quick Start Guide

1. Wire the LC-1 per the unit's instructions
2. Connect the gauge's **RED** wire to a switched 12 volt source (ignition switched).
3. Connect the gauge's **BLACK** ground wire at the LC-1's White ground point. This ground point should ideally be an engine block ground.
4. Connect the gauge's **BLUE** wire to the LC-1's Brown analog output 2. The gauge is setup to work with the LC-1's analog output 2 factory default setting of 0v = 7.35 A/F and 5v = 22.39 A/F.
5. Connect the **PURPLE** wire to a headlight power wire (a wire that supplies current to the headlights). This enables the display to dim for better nighttime viewing. DO NOT CONNECT THIS WIRE TO THE HEADLIGHT DIMMING WIRE. Connection to this rheostat type of switch will cause the gauge to malfunction. If you chose not to utilize the dimming feature, connect the purple wire to ground.

Optional Tip/Trick *(requires connection of LC-1 to PC)*
The LC-1 can be programmed to output specific voltages during warm-up and error conditions. This can be done by connecting the LC-1 to the computer and launching **LM Programmer.** The warm-up and error condition options for the analog output are under the *Advanced…* settings. For example, if you setup the error condition at 5V your gauge will display full lean if any problem arises. Please refer to chapter 6.5.1 in the LC-1 manual for further information.

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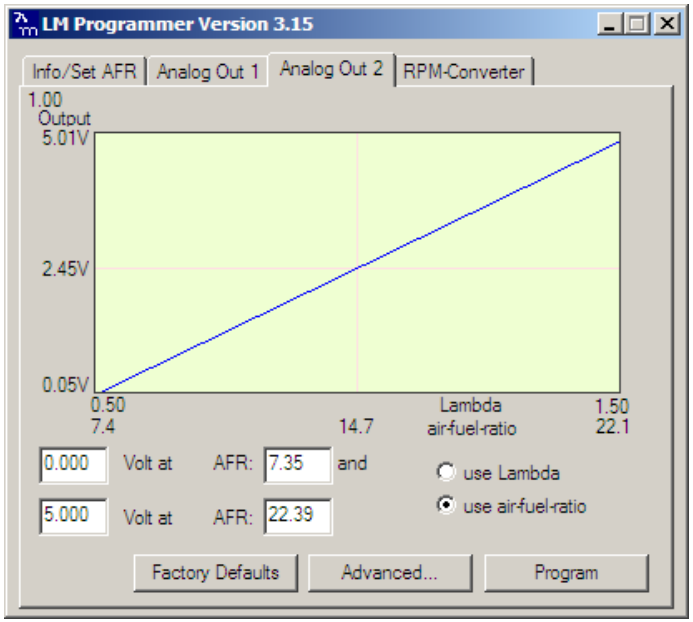
LM-1/LM-2 Quick Start Guide

1. Connect the gauge's **RED** wire to a switched 12 volt source (ignition switched).
2. Connect the gauge's **BLACK** ground wire and the LM-1's or LM-2's corresponding analog ground to a solid ground point.
3. Connect the gauge's **BLUE** wire to the white analog output wire if you have an LM-1 or to the lime green wire if you have an LM-2.
4. Connect the **PURPLE** wire to a headlight power wire (a wire that supplies current to the headlights). This enables the display to for better nighttime viewing. DO NOT CONNECT THIS WIRE TO THE HEADLIGHT DIMMING WIRE. Connection to this rheostat type of switch will cause the gauge to malfunction. If you chose not to utilize the dimming feature, connect the purple wire to ground.
5. **ONLY LM-1 users**: Connect the LM-1 to the computer and launch LM Programmer. Setup the analog output 2 and configure it as 0v = 7.35 A/F and 5v = 22.39 A/F. Lastly click on the "Program" button.



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4. Connect the gauge's **WHITE** wire to the LC-1's Brown analog output 2. The gauge is setup to work with the LC-1's analog output 2 factory default setting of 0v = 7.35 A/F and 5v = 22.39 A/F.
5. Connect the **YELLOW** wire to a headlight power wire (a wire that supplies current to the headlights). This enables the display to dim for better nighttime viewing. DO NOT CONNECT THIS WIRE TO THE HEADLIGHT DIMMING WIRE. Connection to this rheostat type of switch will cause the gauge to malfunction. If you chose not to utilize the dimming feature, connect the yellow wire to ground.

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