

Programmable Digital Gear Display

Model DigiGage-G

- Automatic or Manual Transmission Gear Display
- CAN 2.0b and Analog gear position inputs
- Programmable transaxle gear voltages
- Factory programmed for PCS, TCI, and GM
- Alphanumeric: P, R, N, D, gear 1-6
- Separate Reverse/Neutral Input
- Daylight/Nighttime Dim feature
- Overdrive, Shift, or Over-temp indication
- 2¼" and a 1¾" round housing available
- Polished, color anodized or graphic overlay
- Designed for Off-Road, Sand Buggy, Drag, Motorcycle, and Street Rod applications



Description

The model *DigiGage-G* is a programmable digital display used for automatic or manual transmissions to indicate the current gear position. The display communicates to a PCS or other OEM transmission controllers using a CAN interface. The analog input allows proper gear display of automatic or manual transmissions with installed analog gear position sensors. Programming is completed through a gear position Learn Mode. The programming feature allows the *DigiGage-G* to be interfaced between different transmission or vehicles without needing to be reprogramming by the manufacturer.

Two available sizes make the large 2 ¼" size perfect for Off-Road and Sand Buggy use while the smaller, 1 ¾" size, allows for custom integration into Street Rods and Motorcycles. The dimming input allows for easy nighttime viewing by connecting to a +12v power source. The display also contains a separate Reverse/Neutral input for use on motorcycles and manual transmissions. The decimal point on the display can be used for overdrive, shift indicator, or over-temp use. The digital display may also be connected to the Michigan Scientific *TAPSHIFT* automatic transmission tap/gear selector.

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Specifications

PARAMETER	SPECIFICATION
SYSTEM CHARACTERISTICS AND PERFORMANCE	
GENERAL	
Hardware	9-18 VDC / 1AMP max
CAN Input (Factory Programmed)	CAN2.0b (11 and 29 bit identifiers)
Analog Input-1 (Gear Position)	0 - 5VDC (User Programmed)
Analog Input-2 (Reverse/Neutral/Custom Character Input)	0 - 18VDC (User Programmed)
Sensor Supply Output	+5V / 500mA max
Nighttime Dim mode Input	9 - 18VDC
Decimal Point (Overdrive, shift light, overtemp) input	9 - 18VDC
PHYSICAL - MODULAR COMPONENTS	
Dash Gage Size- 2 1/4" Diameter Face	
Mounting Dimensions (Ø x L)	Ø 2.10 x 1.0 in (53.34 x 25.4 mm)
Dash Gage Size- 1 3/4" Diameter Face	
Mounting Dimensions (Ø x L)	Ø 1.55 x 1.0 in (39.37 x 25.4 mm)
Power Module (Connects to Dash Gage)(LxWxH)	3.0 x 2.0 x 0.9 in (76.2 x 50.8 x 22.86 mm)
Cables/Connectors	
Dash Gage to Power Module	2-ft, 4 conductor - TXL Cable/Molex 4-pin
Power Module to Input Connections	6-ft, 8 conductor - TXL Cable / Tinned Leads
Available alphanumeric character sizes	
0.5 x 0.323" character height	0.984 x 0.63 in (25 x 16 mm)
0.8 x 0.429" character height	1.09 x 0.787 in (27.7 x 20 mm)
1.2 x 0.683" character height	1.57 x 1.08 in (40 x 27.56 mm)
ENVIRONMENTAL	
Operating Temperature	-20°F to +185°F (-30°C to +85°C)
Gage Housing Protection	NEMA 3S
QUALITY AND SAFETY	
Warranty	1 Year
RoHS & WEEE	Compliant
PROGRAMMING	
Analog-1 Characters	P, R, N, 1-6, *
Analog-2 Characters (0-18V activation overrides Analog-1)	P, R, N, 1-6, *
Character for unknown voltage on analog input	?

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