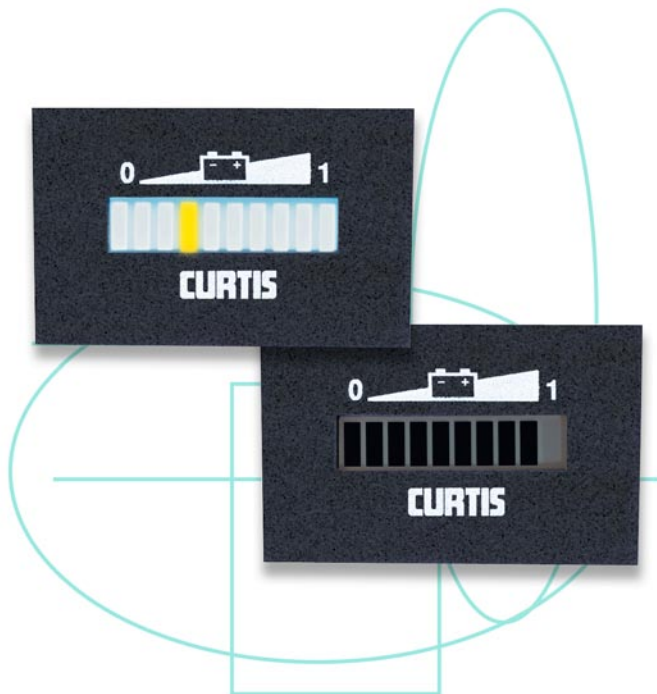


VOLTMETER



DESCRIPTION

The Curtis enGage® I voltmeter is a cost effective, accurate, solid state instrument for displaying battery state of charge information as provided by a BDI capable Curtis motor speed controller. Two display formats are available, LED and LCD.

Models 2114Z – LED display

Models 2314Z – LCD display (backlit)

APPLICATION

The enGage® I Voltmeter is ideal for use in a variety of battery powered applications including those associated with durable medical and material handling vehicles.

QUALITY COMPLIANCE

Manufactured under ISO 9001 certified Quality Management System. UL recognized & CE certified.

FEATURES

- Easy to read tri-color LED for “status at a glance” or models with LCD for superior visibility in bright daylight conditions.
- Eye catching, flashing segments indicate operation beyond established parameters, such as low discharge level.
- 10 bar LED or LCD displays the state of charge successively, bar by bar, from full to empty.
- At 70% depth of discharge, a flashing bar signals “energy reserve” alert.
- At 80% depth of discharge, double flashing bars signals “empty” status warning.
- Recognizes improperly charged battery.
- Programmed by Curtis to work seamlessly with Curtis motor speed controllers that feature Curtis BDI output.
- Keyswitch activated display with continuous battery discharge monitoring.
- “Fast mounting” design that requires only a bracket for easy installation.
- Compact enclosure is sealed to IP 65 front and rear.
- 12, 24, 36, and 48VDC voltage ratings available.
- 0 V (empty) – 5 V (full) input.

VOLTMETER

MODEL ENCODEMENT

Model	Case	Voltage	Sequential	OEM Artwork
2114	Z	12*	-0001	OO
2314	Z	12*	-0001	OO

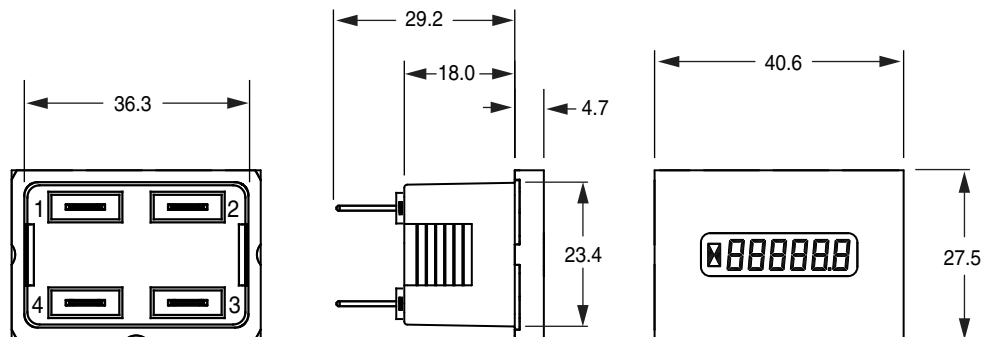
* or one of the following: 24, 36, 48

SPECIFICATIONS

- Display
10 bar LED (5 green, 3 yellow, 2 red); 10 bar LCD 5 mm high
- Humidity
95% non-condensing
- Operating Temperature
- 40°C to + 85°C
- Storage Temperature
-50°C to +85°C
- Mechanical Shock
SAE J 1378, 55g
- Mechanical Vibration
SAE J 1378, 20g
- Current Consumption
LED 21.7mA (Max value, 12V Nominal System Voltage)
LCD With Backlighting 36.2 mA (Max value, 12VDC Nominal System Voltage)
Higher system voltages yield lower max current values.
- Input Signal
0 VDC (empty) – 5 VDC (Full)

TYPICAL WIRING

Pin	Function
1	B+
2	B-
3	Input (0-5V)
4	Output (Optional)



WARRANTY Two year limited warranty from time of delivery.

