



WELCOME TO  
**maximatecc.**

SELECT GAUGE TYPE



2 INCH DDBI J1939



3 INCH DDBI J1939

# DDBI 500

J1939 Direct Databus Instruments

## Work Smarter with NEW Software

A DDBI 500 configuration software tool is now available for both gauge sizes.

- Increase/decrease backlight brightness
- Program the baud rate
- Modify key parameters, including:
  - Low driver output
  - Source address
  - Failure alerts
  - LED indicator triggers
  - Configurable input (3-3/8")
  - Display settings (3-3/8")



### Get Connected. Stay Connected.

maximatecc SAE J1939 Direct Databus Instruments (DDBI 500) can connect directly to your vehicle's bus network — with no instrument controller or gateway device needed. Designed with smart electronics architecture, these gauges are a standalone solution to put the information you need at your fingertips.

Our DDBI gauges can meet the increased J1939 baud rate of 500kbit/s. They are capable of detecting the baud rate of your machine and adjusting their own baud rate accordingly. This allows for backwards compatibility with current Datcon products and for use on both 250kbit/s and 500kbit/s systems.

Other value-added DDBI features include:

- Operating voltage covers both 12v and 24v systems
- White LED lighting for enhanced visibility
- CE certified
- RoHS compliant
- Dual color warning indicator on 2-1/16" gauges allows for two warning levels
- 3-3/8" gauges have larger LCD with added functionality

**maximatecc.**

#### LEARN MORE:

[info@maximatecc.com](mailto:info@maximatecc.com) | 800-676-1837 | [maximatecc.com](http://maximatecc.com)



# DDBI 500

J1939 Direct Databus Instruments

## SPECIFICATIONS

**Sizes:** Gauges - 2-1/16" (52mm) diameter  
Tachometers/Speedometers - 3-3/8" (86mm) diameter  
**Movement:** Stepper motor  
**Case:** High-impact PBT, reinforced  
**Dial:** White-on-black graphics  
**Pointer:** Orange with black hub, lighted  
**Bezels:** SAE step type and low profile type, black or polished stainless steel  
**Lens:** Hard coated, anti-fog

## FEATURES

- Auto baud rate detection for backwards compatibility
- 9-32v operating voltage
- English or metric units
- White LED backlighting
- Reliable and accurate stepper motors
- Reinforced case w/integral connector
- Fully sealed for all-weather use
- CE certified
- RoHS compliant

## 2-1/16" SPECIFIC

- Dual color indicator for high/low warning or DM1 message
- Matching analog gauges for non-J1939 signals

## 3-3/8" SPECIFIC

- 132 x 64 dot matrix LCD
- J1939 fault code support
- Analog inputs for fuel level and brake pressure
- Integrated settable service meter
- Optional through lens trip switch

## PERFORMANCE

### Environmental

- -40°C to 85°C
- IP 67 sealing
- Exceeds SAE standards for vibration and salt spray

### Electrical

- 9-32V operating voltage
- Reverse polarity and transient protection including load-dump, over-voltage, and ESD

## STANDARD GAUGES

 Contact maximatecc sales for customization

### 2-1/16"

Fuel level	Manifold pressure
DEF level	Front or rear brake pressure
Voltmeter	Transmission oil pressure
Engine oil pressure	Engine coolant temperature

Engine oil temperature
Transmission oil temperature
Hydraulic oil temperature
Tachometer

### 3-3/8"

Speedometer/odometer
Tachometer
Tachometer/hourmeter

# maximatecc

Put the maximatecc DDBI 500 J1939 Direct Databus Instruments to work for you. Contact us at 800-676-1837 or [info@maximatecc.com](mailto:info@maximatecc.com) today.