maximatecc

CRITICAL VEHICLE DATA YOU CAN COUNT ON

maximatecc specializes in operator information and control solutions for the world's leading agricultural, industrial and transportation original equipment manufacturers. You'll find our products and custom solutions are specifically designed for the most rugged and demanding environments, while delivering clear and rapid access to needed data.

Engine monitoring systems

The status and health of a vehicle is vital. That's why maximatecc is continually focused on innovative ways to communicate critical vehicle data to equipment managers and operators, and display it using the most comprehensive designs. Four versions of our all-in-one **maxAI™** engine monitoring system (**430, 430i, 430v and 430iv**) are available to meet your needs:

maxAI™ 430 series

- *Primary engine monitoring using up to two CAN channels and five analog inputs*
- *250 or 500 kbps baud rate detection*
- *Less than three-second boot time*
- *4.3-inch TFT display with 480x272 resolution*
- *Wide viewing angles and vibrant 18-bit color graphics*
- *-20 to 70 C operating temperature*
- *IP65 to IP67 rating, usable inside or outside cab*
- *Up to 20, integrated LED warning lights with dead front, black lens*
- *Tier 4 final emission standard with active and manual regeneration*
- *Displays up to five screens, each with five parameters and associated information*
- *Configurable application software for display screen and warning light setup, no need for programming*
- *Ambient light sensor*
- *Amber and red LED warning light indicators*
- *Video input for a backup camera*
- *USB and Bluetooth connectivity*

Instrument clusters

Extreme temperatures, moisture, shock or vibration. Our instrument clusters are built for any environment and a range of applications, from small construction equipment to large specialty vehicles. The **Compattino™ 2.0** instrument cluster combines multiple electronic gauges to display a variety of engine parameters and system messages in a compact format. Backlit buttons simplify user navigation and customization.

The Compattino™ 2.0 instrument cluster offers a high degree of reliability and functionality:

- *Three gauges, each with a stepper motor, easily customized for CAN data or analog input*
- *2.7-inch, 128x64, yellow, sunlight readable, PMOLED high-contrast display*
- *-30 to 85 C operating temperature*
- *Up to 18 configurable LED indicators with dead front, black, customizable overlay*
- *Four backlit menu navigation buttons*
- *Boot loader software for customization*
- *IP65 (rear) to IP67 (front) rating*
- *CAN protocol: SAE J1939, 250 kbps/500kbps (auto)*

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Heavy-duty industrial gauges

Our gauges are designed for on- or off-highway, industrial and specialty vehicles. These SAE J1939 direct data bus instrument gauges (**DDBI 500**) can be connected directly to a vehicle's bus network and don't require an instrument controller or gateway device. Working well with limited panel space, the **DDBI's** electronic architecture offers an easy-to-configure, stand-alone solution.

Features include:

- *9 to 32 operating voltage*
- *English or metric units*
- *White LED backlighting*
- *Reliable and accurate stepper motors*
- *Reinforced case with integral connector*
- *Shock, vibration and salt spray parameters set per SAE and OEM standards*
- *-40 to 85 C operating temperature*
- *Fully sealed for all-weather use*
- *CE certified*
- *Configurable application software available*

Based on gauge size, additional features are available:

- *Dual color indicator to signal high, low or DM1*
- *Analog inputs for fuel level, brake pressure or custom offerings*

Sensors and senders

Greater accuracy, multiple calibration methods, and high temperature and vibration standards. No matter the fuel mixture, the **CAN Bus IntelliSensor®** ensures your vehicle has the power it needs. Plus, our design uses proven technology to deliver a reliable, compact, drop-in solution for fuel level and volume sensing. The proprietary sensor features no moving parts and can be easily configured to meet your specific needs:

- *6- to 36-inch lengths, with custom lengths also available*
- *Shock, vibration and salt spray parameters set per SAE and OEM standards*
- *Four wire connections (CAN+, CAN-, PWR and GND)*
- *-40 to 85 C operating temperature*
- *Reverse-polarity and over-voltage electrical protection*
- *9 to 32 VDC*
- *Built-in, self-calibrating technology*
- *Configurable application software available*

The **CAN Bus IntelliSensor** also has several configurable parameters:

- *250 or 500 Kbps baud rate*
- *Custom volumetric levels for odd-form tanks*
- *Automatic calibration for various fluid types, including blended fuels*

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maximatecc, part of the CentroMotion™ family of brands, specializes in operator-machine interface solutions for critical environments. We support industrial machinery OEMs and partners globally with a broad portfolio of products and services. Through technology, engineering expertise and operational excellence, we make machines smart, safe and productive.