

ENABLING OPERATORS TO
SENSE, SEE AND KNOW MORE

maxAI™ 200

CAN Bus Display



The maxAI 200 is a simple but highly configurable display to help value-conscious equipment managers and operators monitor critical engine parameters and optimize equipment performance. Complimentary to our full CAN bus and DDBI portfolio, the maxAI 200 offers up to 50 different parameters for full customization and flexibility. Use the straightforward graphic display and menu control to set up your ideal functions, including maintenance, operating hours and engine parameters.

The maxAI 200 fits a standard SAE 3 3/8-inch dashboard opening for easy installation and is pin-for-pin compatible with our DDBI and many other round gauges. This rugged display has an easy-to-read monochrome display with amber LED backlighting and four solid buttons for intuitive menu control. Designed for rough duty environments and all types of equipment, the maxAI 200 is fully sealed and compliant with SAE standards for vibration and salt spray, earning an IP67 rating.

maximatecc

maximatecc 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 **enable operators to sense, see and know more.**



maxAI 200: HIGHLY CONFIGURABLE, INTUITIVE CONTROL

maximatecc is continually focused on the best ways to communicate critical vehicle data using the most comprehensive designs. Part of our robust family of displays, the maxAI 200 can be easily customized to fit your needs. Configurable via simple menu selections, it displays various performance and status pages via one or two lines of text or icons. Easily navigate setup and your choice of screens, plus the auto-scroll option enables continuous looping. The unit can be set up for English, Spanish or French.

Key features include:

- Fits tachometer opening, pin-for-pin compatible with DDBI and other round gauges
- Four configurable inputs, for resistive or voltage output senders, or digital inputs
- Two digital outputs, low or high side drivers
- Up to 50 pre-configured J1939 parameters
- Boots up in less than 3 seconds



maxAI CAN BUS DISPLAY SERIES

The maxAI series includes a wide range of display sizes and levels of configuration to fit your needs.



maxAI 130



maxAI 280



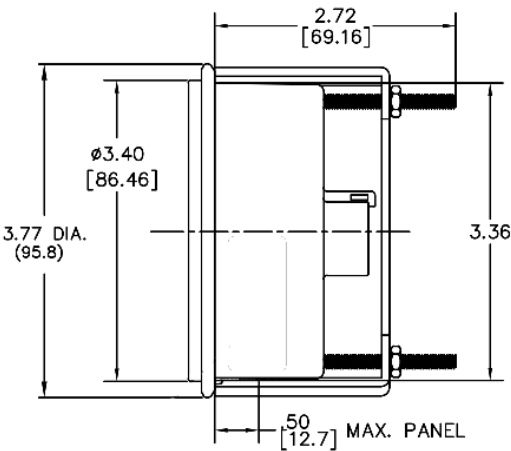
maxAI 430 & 430V



maxAI 430i & 430iV

maxAI 200 PRODUCT SPECIFICATIONS

Processing	
Main Processor	Micro-controller based on ARM® Cortex®-M3 32-bit
Internal Memory	64KB RAM, 512KB Flash
External Memory	64KB EEPROM
Display	
Type	LCD (amber back light)
Size & Resolution	2-inch diagonal, 128 x 96 pixels
Color Depth	1-bit monochrome
Software	
Application Software	maxAI™ Developed, Configurable on Device
HMI	
Keypad	Four-button keypad, can be used to navigate parameters or select menu items
Interfaces	
CAN	One CAN, J1939, 250 or 500 kbps baud rate available
Power Supply	12- or 24-volt nominal systems, 9-32 VDC
Connectors	Two, six-pin Deutsch DT series connectors
Warning Lights	2 dead-fronted LED status indicators (amber & red)
Input	4 configurable inputs for resistive or voltage output senders, or digital inputs
Output	2 digital outputs (low/high side drivers)
Environment	
IP Class	IP67 (front)
EMS Conformity	ISO 13766 (emissions), SAE J1113-21 (immunity)
SAE Standard	Vibration, UV, salt spray and chemical compatibility
Temp. Range	-30 to 85°C (operational), -55 to 85°C (storage)
Casing	
Housing Material	Black engineered resin, UV resistant
Cover Lens	Tempered Glass
Mech. Installation	Flush/Panel mounting
W x H x D (in/mm)	3.77/95 x 3.77/95 x 2.72/69
Weight (oz/g)	0.32 oz/9 g

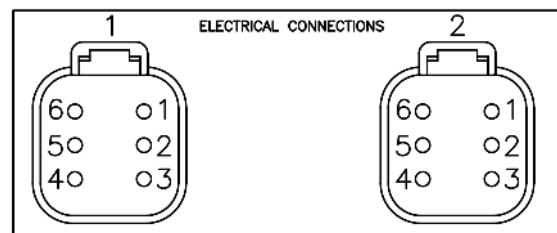
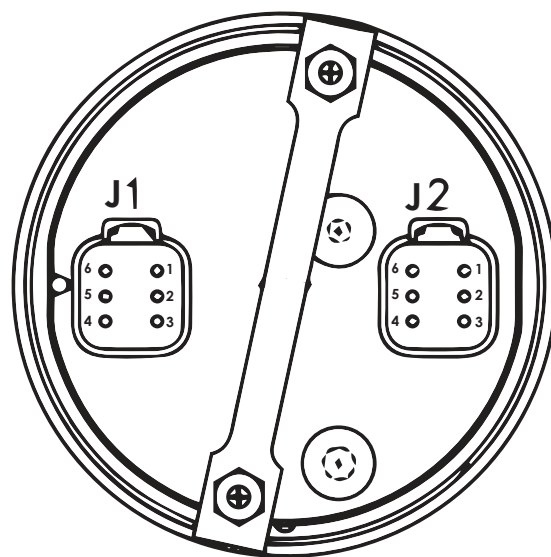


THE DIFFERENCE IS IN THE DETAILS

Put the maxAI 200 engine or battery monitoring display to work for you. Contact us today at info@maximatecc.com.

Connector pinout

#PIN	TYPE	STATE
J1.1	Power	Battery +
J1.2	Power	Ground
J1.3	Config. Input	Voltage/digital/resistance/frequency
J1.4	CAN	CAN 1 low
J1.5	CAN	CAN 2 high
J1.6	Digital Output	Low side driver
J2.1	Power	Ignition
J2.2	Config. Input	Voltage/digital/resistance/frequency
J2.3	Config. Input	Voltage/digital/resistance/frequency
J2.4	Config. Input	Voltage/digital/resistance/frequency
J2.5	Ground	Analog Sender
J2.6	Digital Output	High Side Driver



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