CATTRON

CANPLUS™



CP1000
ENGINE CONTROL PANEL

HIGHLIGHTS

- Support for diesel-driven and VFD electric motor-driven machines and pumps
- CANbus interface for engine monitoring and control, supporting J1939 messages
- Integrated telemetry: cellular, Bluetooth® or satellite communications
- 24/7 remote monitoring and control powered by RemoteIQ™ cloud-based application
- Easily activate and link to your CP1000 panel with the RemoteIQ Device Manager app from any mobile device

FEATURES

- Robust high-resolution, sunlight-viewable color display with quick access menu key
- Multi-level PIN-based menu access
- Simplified one-touch access to emission status and control
- Machine Learning to detect patterns, analyze data and troubleshoot issues
- Autostart or manual operations for electronically or mechanically governed engines
- Tier 4F and Euro Stage V compliant
- Cellular modem supporting LTE CAT-M1
- Bluetooth Low-Energy (BLE) v5.1 allows wireless control from up to 150 feet using RemoteIQ™ iOS and Android compatible device applications
- CANplus Control advanced throttling and control capabilities
- Host USB port for configuration updates
- Configurable using menus or Windows-based configuration program
- Configurable seven-stage autothrottle profile
- CANplus™ Control throttling and control capabilities
- Intuitive event manager can fully control engines based on configurable criteria
- QR-code diagnostics through RemoteIQ QR-Assist

OPTIONS

- CANplus Software Suite tools: trace analyzer, engine simulator and configuration wizard
- Industrial-grade cyber security for telemetry
- GNSS-compatible GPS receiver for satellite communications

CANPLUS™

TECHNICAL DATA AND SPECIFICATIONS

INPUTS / OUTPUTS

Inputs	Eight switched inputs Six 4-20 mA transducer inputs Two fault switch inputs (oil & temp) Three resistive sender inputs Two pulse meters (one can be used for tach alternator)
Outputs	Built-in alarm Two 10A power outputs (starter & ECU) Two isolated power outputs (20A and 10A) Four 1A outputs (one for preheat) Two 1A transducer outputs External E-stop

COMMUNICATIONS

CANbus	SAE J1939 (CANbus 2.0B)
Modbus	Slave, Master or Bluetooth
Cellular Modem	LTE CAT-M1
Bluetooth	Low-Energy (BLE) v5.1
Satellite	Available with GNSS-compatible receiver

HOUSING

Display	4.3-inch WQVGA sunlight viewable color display (480x272 pixels)
Clock	Battery-backed real-time clock
Standard Aluflex H x W x D	10.4” x 8.4” x 6.0”
Standard NEMA H x W x D	11” x 11” x 8”

MECHANICAL DATA

Nominal System Voltage	12 – 24 VDC
Operating Temperature	-40° to +70° C / -40° to +158°F
Operating Current	125 mA @ 24V
Reverse Polarity	Yes
Engine Harness Interface	HDP26-24-21SE (D-21p)
I/O Harness Interface	HDP26-24-31SE (D-31p)
Warranty	Two-year limited warranty

SOLID STATE I/O

ECU	10A @ system voltage
Starter	10A @ system voltage
Isolated Power 1	20A @5.5V-36V
Isolated Power 2	10A @5.5V-36V
Preheat	1A @ system voltage
Standard Output	1A @ system voltage
Transducer Power	1A @ system voltage
External E-Stop	Normally open, grounded when closed
Digital Inputs	Active = switch to ground Inactive = open
Transducer Inputs	4-20 mA @ system voltage
Pulse Inputs	2-wire (+/-)

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