

- 3.5" Color Display
- Fully Configurable
- Simple Integration
- Rugged Tactile Buttons
- 24-bit Backlit LED's

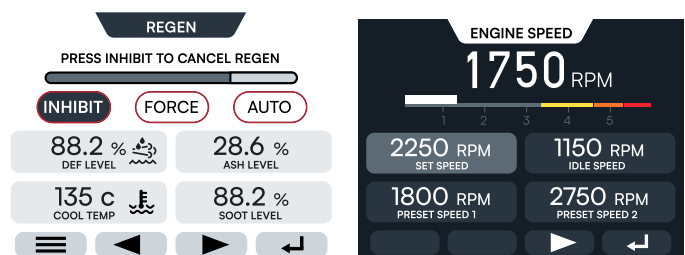


RUGGED, COMPACT, CONFIGURABLE AND PROGRAMMABLE

An entry level display and a worthy successor to the legendary PV101. It is designed to provide electronic instrumentation and application monitoring for electronic or mechanical engine/battery/mains powered industrial equipment. This display offers robust features with a color LCD, tactile buttons, and outdoor usability.

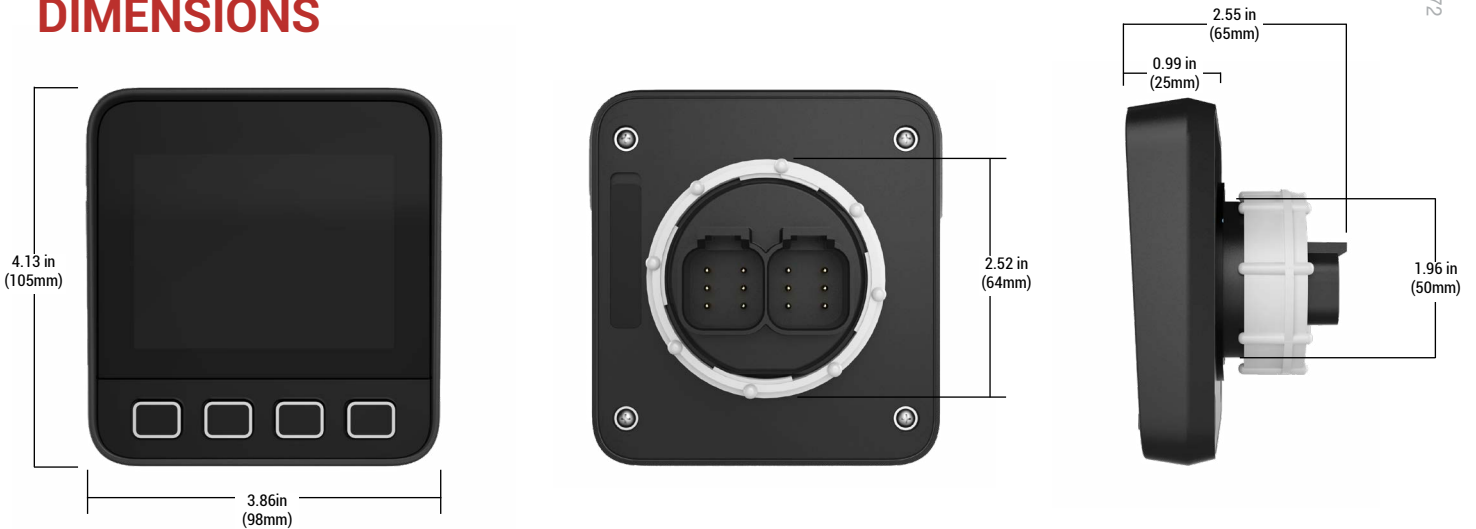
The display is versatile and can be used to provide operator equipment status, fault -conditions, and the ability to monitor configurable parameters. It features support for CAN J1939 & CAN Open in addition to RS485 serial communication to easily integrate into a wide variety of applications.

The display will come out of the box as a fully functional engine monitoring instrument paired with a configurable software application for quick customization of parameters, color schemes and company logos. Support for multiple languages and datalogging is also included.



S35

DIMENSIONS



SPECIFICATIONS

COMPUTING

PROCESSOR	Arm® Cortex®-M33 microcontroller @ 160 MHz (32-bit)
OPERATING SYSTEM	Free RTOS
STORAGE	1 MB Flash Memory
RAM	320 KB SRAM
GRAPHICS	Integrated Graphics Controller

DISPLAY/HMI

SCREEN	3.5-Inch Square, 18-bit color
RESOLUTION	320 x 240 QVGA
CONTRAST RATIO / BRIGHTNESS	800 NITS
TOUCH PANEL	4 – Tactile Silicon buttons
SURFACE	Anti-glare finish

COMPLIANCE

EMC/EMI	ISO 13766, ISO 14982
CE	Yes
REACH	Yes
ROHS	Yes

⚠ WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

INTERFACES

CAN	(1) CAN 2.0B according to ISO 11898-2, J1939 (Selectable 250k/500k/1Mb baud rate)
USB	(1) USB-C 2.0B full speed host
RS485	(1) HALF DUPLEX
INPUTS	(2) Analog (0-5V, 4-20ma, Resistive) (1) Freq In (30Hz – 10KHz)
OUTPUTS	(2) Digital Low-side open drain 500mA
REAL TIME CLOCK	Yes

ELECTRICAL/ENVIRONMENTAL

OPERATING VOLTAGE	6 - 36 VDC, Reverse polarity protected
OPERATING TEMP.	-40°C to +85°C (-40°F to +185°F)
STORAGE TEMP.	-40°C to +85°C (-40°F to +185°F)
PROTECTION	IP67
VIBRATION	7.86 Grms (5-2000 Hz), 3-axis random
SHOCK	±50G, 3-axis

PHYSICAL

MOUNTING	2" SAE HOLE with ring nut
CONNECTORS	(2) 6-pin Deutsch DT06-6 Connectors

FOR MODEL & PART INFORMATION

ENOVATIONCONTROLS.COM/S35

FOR MANUAL & SUPPORT DOCUMENTS

SUPPORT.ENOVATIONCONTROLS.COM

FOR SUPPORT & WARRANTY

ENOVATIONCONTROLS.COM/SUPPORT

SALES CONTACT

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