

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

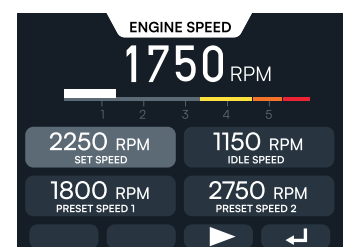
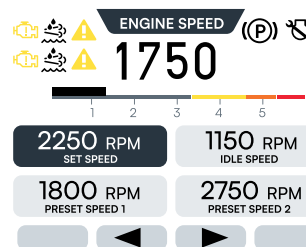


## RUGGED, COMPACT, CONFIGURABLE AND PROGRAMMABLE

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.

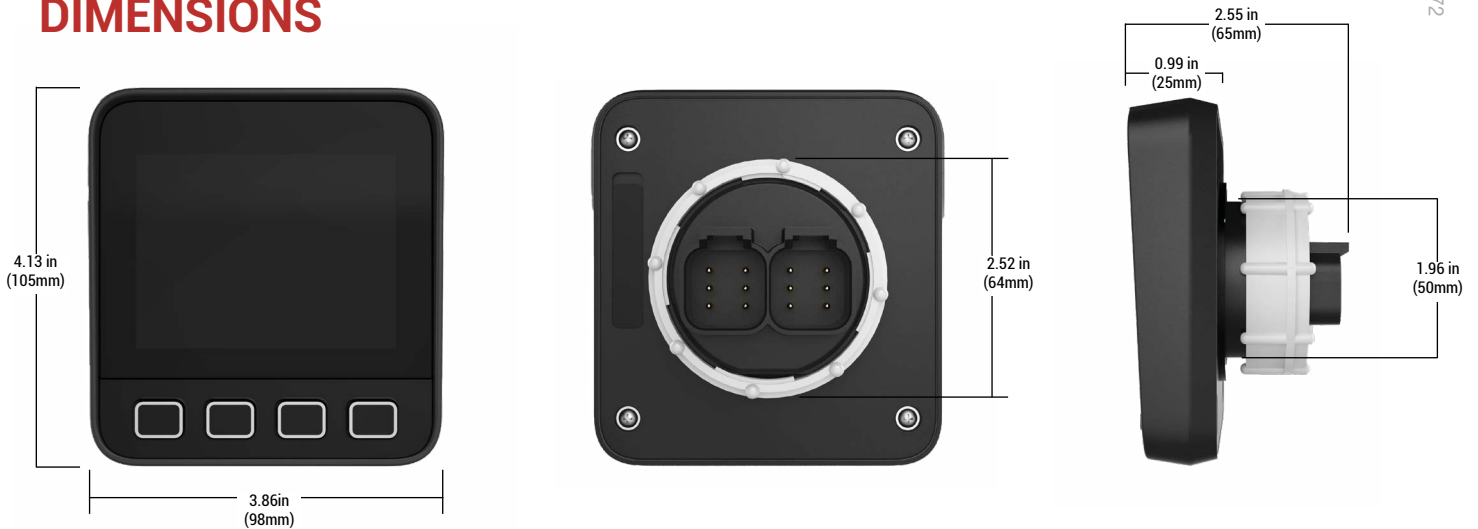
The display is versatile and can be used to provide operator equipment status, fault -conditions, and the ability to monitor configurable parameters. It features support for CAN J1939 & CAN Open in addition to RS485 serial communication to easily integrate into a wide variety of applications.

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, 24bit color
RESOLUTION	320 x 240 QVGA
CONTRAST RATIO / BRIGHTNESS	700 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](http://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](http://ENOVATIONCONTROLS.COM/S35)

FOR MANUAL & SUPPORT DOCUMENTS

[SUPPORT.ENOVATIONCONTROLS.COM](http://SUPPORT.ENOVATIONCONTROLS.COM)

FOR SUPPORT & WARRANTY

[ENOVATIONCONTROLS.COM/SUPPORT](http://ENOVATIONCONTROLS.COM/SUPPORT)

## SALES CONTACT

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