

Compact size to fit your application

Bonded LCD for optimum viewability

Easy-to-use configuration software

Customizable bezel, buttons, I/O interface and more



## RUGGED, RELIABLE, ROBUST MID-RANGE, FULL-COLOR DISPLAY

The PowerView 450 is a compact, fully configurable display designed for use in modern electronic engines. It integrates electronic engine, transmission and equipment information into an easy-to-read, full-color interface.

The PV450 features a 4.3-inch screen perfect for applications with tighter spaces, and it delivers the same powerful performance as Murphy's larger configurable displays.

In addition, the PV450 display meets the requirements for Tier4/Euro Stage IV emissions monitoring from the factory.

### BUILT FOR POWERSVISION

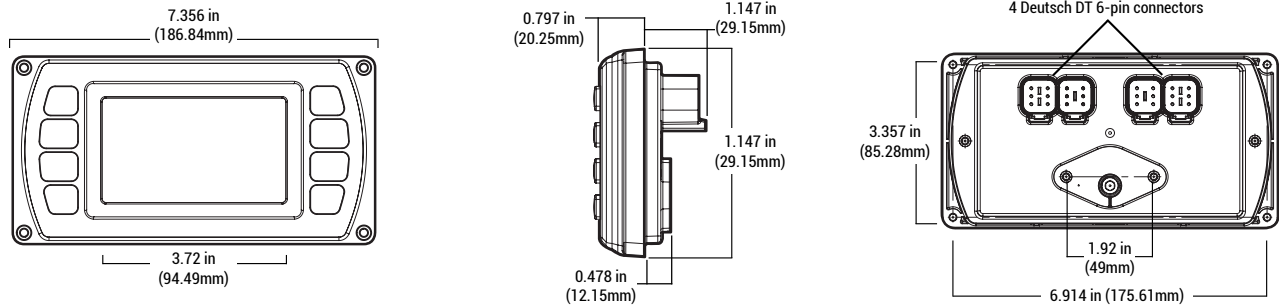
PowerVision Configuration Studio® software lets programmers design stunning user interfaces, create intelligent applications with scripting and prototype quickly with a vast library of standard engine parameters.



## POWerview® 450

1000023  
01-2019

### PV450 DIMENSIONS



### PV450 SPECIFICATIONS

COMPUTING	
<b>MICROPROCESSOR</b>	Freescale iMX35, 32bit, 532MHz
<b>OPERATING SYSTEM</b>	QNX® Realtime Operating System
<b>STORAGE</b>	256 MB flash memory (expandable to 8GB)
<b>RAM</b>	128MB DDR2 SDRAM
DISPLAY	
<b>SCREEN SIZE</b>	4.3 inches
<b>TYPE</b>	109mm color transmissive TFT LCD
<b>RESOLUTION</b>	WQVGA, 480 x 272 pixels, 16-bit color
<b>ORIENTATION</b>	Landscape or portrait
<b>BRIGHTNESS</b>	500-650 cd/m <sup>2</sup>
HARDWARE	
<b>REAL TIME CLOCK</b>	Available with battery backup
<b>KEYPAD</b>	8 tactile buttons
<b>CONNECTORS</b>	4 Deutsch DT 6-pin connectors
COMMUNICATION	
<b>CAN</b>	Two CAN 2.0B; optional NMEA 2000 isolation
<b>SERIAL</b>	RS 485: 1 MODBUS Master/Slave port, PVA
<b>USB</b>	USB 2.0 full speed host

ELECTRICAL	
<b>OPERATING VOLTAGE</b>	6-32 VDC, reverse polarity and load-dump protected
<b>INPUTS</b>	(1) Analog 0-5 VDC, 4-20 mA, resistive
<b>OUTPUTS</b>	(1) 500 mA switched low-side
ENVIRONMENTAL	
<b>OPERATING TEMPERATURE</b>	-40°C to 85°C (-40° to 185°F)
<b>STORAGE TEMPERATURE</b>	-40°C to 85°C (-40° to 185°F)
<b>PROTECTION</b>	IP66 and 67, front and back
<b>VIBRATION</b>	7.86g random vibrate (5-2,000Hz) in 3 axes
<b>SHOCK</b>	±50G in 3 axes
<b>EMC/EMI</b>	Electromagnetic Compatibility: 2004/108/EC EN 61000-6-4 EN 61000-6-2 (immunity) EN 50121-3-2 EN 12895 J1113/2, 4, 11, 12, 21, 24, 26 and 41
<b>SAE</b>	J1113/2, 4, 11, 12, 21, 24, 26 and 41

FOR MANUALS, SUPPORT DOCUMENTS, AND WIRING DIAGRAMS PLEASE VISIT:

[www.macquarrie.com.au/collections/powerview-displays](http://www.macquarrie.com.au/collections/powerview-displays)