



ISSUE DATE OCT-13

AT A GLANCE

FEATURES

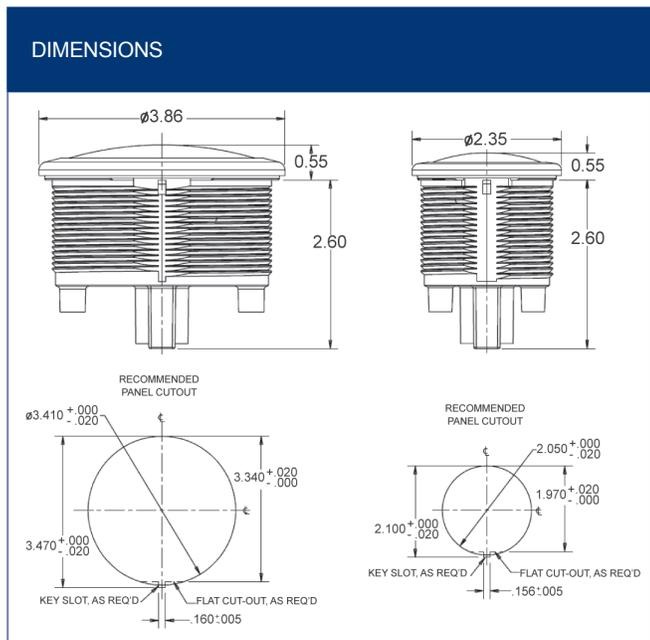
- LCD on Tachometer and Speedo displays all available data and alarms
- Soft-function tactile push keys for easy navigation
- CANbus driven Tachometer
- Speedo and all 2" gauges receive data from Tachometers
- IP67 waterproof
- Plug and play connectors fitted
- Dry Nitrogen filled to minimize fogging
- LED dimmable automotive style backlighting (red)
- Fully sunlight readable display
- CANbus connectivity



Matrix Gauges Black

The Matrix gauge set is an affordable, high-value range of digital instruments designed to operate on Mercury SmartCraft® and NMEA 2000® engines (max 4 engines/ 2 stations). Accurate reliable information is provided on a clean, easy-to-read gauge with a LCD display and soft-function tactile buttons for navigating through the menu interface. With the push of a button the operator has easy access to the status of the engine including fault alerts, diagnostic messages and other important parameter information using SmartCraft® and NMEA 2000® protocols.

In a Matrix gauge set, the 3" Tachometer is the master and connects directly to the SmartCraft® or NMEA 2000® data bus. All the other gauges are slaves and connect to the Tachometer RS-485 private bus (immune to electrical noise, more robust and reliable). The Tachometer reads the applicable engine parameters (SmartCraft® or NMEA 2000®) and forwards them on the private bus for the slave gauges. The gauges operate on 12 volt systems and support single, dual, triple or quad engine applications.



PARAMETERS SUPPORTED

• Engine RPM	• Fuel Pressure
• Coolant Temperature	• Throttle Position
• Engine Oil Pressure	• Load Percent
• Engine Hours	• Oil Level
• Fuel Low	• Boost Pressure
• Reserve Oil Level	• Tank 1
• Water Pressure	• Tank 2
• Coolant Pressure	• RPM Synch
• Oil Temperature	• Trim Synch

ORDERING INFORMATION

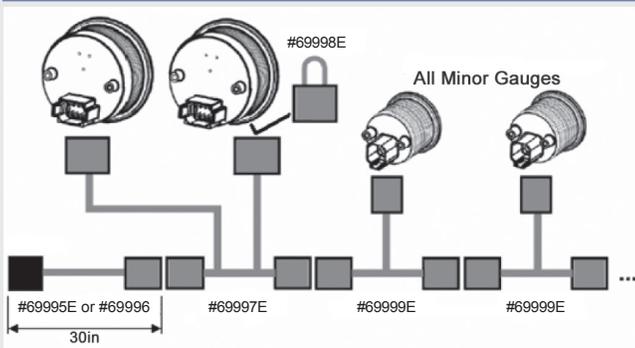
Note: While ordering the Veethree Matrix gauge set for your application, please select the appropriate Tachometer from the ordering information below. We offer separate Tachometers for Mercury SmartCraft® and NMEA 2000® engines. All the other gauges in the Matrix set are universal and can be used with either master Tachometer.

MATRIX TACHOMETER: MERCURY SMARTCRAFT® ENGINES	SIZE	PART NUMBER
SmartCraft® Tachometer w/ LCD US 7000 RPM	3"	781014SDFE

MATRIX TACHOMETER: NMEA 2000® ENGINES	SIZE	PART NUMBER
NMEA 2000® Tachometer w/ LCD US 7000 RPM	3"	781545SDFE

MATRIX UNIVERSAL GAUGES	SIZE	PART NUMBER
<i>Compatible with both Mercury SmartCraft® and NMEA 2000® master Tachometers</i>		
Speedometer w/ LCD US 90 MPH	3"	781016SDFE
Speedometer w/ LCD US 50 Knots	3"	781017SDFE
Fuel Primary	2"	781019SDFE
Fuel Secondary	2"	781020SDFE
Voltmeter 10-16 VDC	2"	781021SDFE
Temperature 240 F	2"	781022SDFE
Temperature 120 C	2"	781023SDFE
Water Pressure 40 PSI	2"	781024SDFE
Oil Pressure 80 PSI	2"	781028SDFE
Oil Pressure 7 BAR	2"	781031SDFE
Trim	2"	781032SDFE

MATRIX HARNESSES / CONNECTORS	PART NUMBER
<i>Various harnesses are required for installations</i>	
Connects Matrix Tachometer to SmartCraft® harness (30")	69995E
Connects Matrix Tachometer to NMEA 2000® harness (30")	69996E
Connects Tachometer to Speedo (48")	69997E
Connects any 2" gauge to another	69999E
Terminator used when no Speedo is present	69998E



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SPECIFICATIONS

- Large FSTN LCD (excellent optical performance under all lighting conditions) on speedo and tach (with contrast adjustment)
- 8-16 VDC operational range
- Alarm output for vessel information
- Polished chrome bezels

DS0004 REV 2
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