



Nautitech's Ex d display unit for our Methane Master Systems

What our customers say....

"EPEC is very pleased with the new HawkEye display fitted to our Cummins 4.5L and 6.7L Diesel Engine Systems.

*The graphical menu is **quicker and easier** to use and the key information is now available to the operator without having to scroll through pages of data.*

*Security of Data is also important to EPEC and additional features in this area means **the data can be trusted.**"*

**Mike - Operations Director
EPEC (Explosion Proof Engine Company)**

Old Display vs. HawkEye

- Same size as previous display
- Better graphics - full colour display
- Intuitive menu design
- 3x more data points & time stamped
- Easy to install
- Mission critical data at a glance
- For harsh environments where data is required

CERTIFICATIONS



Functionality

- 3.5" (320x240) colour graphics display
- 18bit display with 16,000 colour palette
- Easier to navigate with new menu design
- RFID capable for driver licensing or tagging
- Magnetic key based interaction
- Led status indication for lower level function
- Full ARM32 RTOS operating system

- All crucial information displayed on homepage i.e temperatures, battery voltage, CH4 & last five messages = no more scrolling through pages
- Easier alerts with display colour changes
- Over 3x more time stamped data logs in real time
- Simple install, HawkEye is fully backwards compatible with all Nautitech Methane Master Systems
- Incorporates the RapidSense Ex ia CH4 sensor
- SD-Card for field upgrades of software and system upgrades over the CAN bus protocols
- SD-Card can be utilised for increased logging facility
- Graphics fully configurable to your layout preferences

Electrical

Supply voltage = 12V - 24V DC
Current = 250mA

Environmental

| | | | |
|-----------------------|-------------------------------------|----------------------|----------------|
| Operating temperature | -40°C to +60°C | External temperature | -55°C to +95°C |
| Storage temperature | -55°C to +95°C | External temperature | -55°C to +95°C |
| Shock | 50G – 3Axis | | |
| Bump | 15G – 3Axis | | |
| Vibration | Random Vibration 3 Axis (7Hz-500Hz) | | |
| Humidity | 5 – 95% non-condensing | | |

IEC 60068-2-6 - Sinusoidal Resonance
MIL-STD810G - Random Vibration
IEC 60068-2-27 – Bump and Shock Test

Physical

- Robust 316 S/S enclosure
- IP66 (Ingress Protection rating)
- Multiple rear and side gland entries
- Australian designed, certified and assembled

Please contact Nautitech regarding cable specifications for your unique application. It is recommended that only Nautitech ancillary equipment be used which is listed in our product manuals. Doing otherwise may result in less than optimal operating performance or failure of which Nautitech will not be held responsible for.

