





# Nautitech® CH4 System Evolution Matrix

CT118501 (Basic) CT118503 (Electrical) CT118513 (Jugonaut) ME5260-2-99-196 (Torque)	Basic Methane Shutdown System Ex d	Methane Master Ex d ia	Methane Master Hawkeye Display Ex d ia LCD	Methane Master Hawkeye Display Ex d ia LCD (Heater Upgrade + Battery (Rev 3))
				
<b>Release Date</b>	<b>2007</b>	<b>2013</b>	<b>2016</b>	<b>2020</b>
<b>Features</b>	<ul style="list-style-type: none"> <li>✓ Character display</li> <li>✓ Rechargeable IS battery</li> <li>✓ CAN Bus</li> <li>✓ Gas sensor with IR technology</li> <li>✓ ATF Flameproof enclosure</li> <li>✓ One shot valve (2012)</li> </ul>	<ul style="list-style-type: none"> <li>✓ Character Display</li> <li>✓ Rechargeable IS battery (IS Output)</li> <li>✓ CAN Bus</li> <li>✓ RapidSense Ex ia CH4 Sensor</li> <li>✓ Nautitech® 5060 flameproof enclosure</li> <li>✓ External Pressure Switch (Air Solenoid Feedback)</li> <li>✓ Faster response time</li> <li>✓ 60% faster warm-up time</li> </ul>	<ul style="list-style-type: none"> <li>✓ Easy-to-read LCD Hawkeye Display</li> <li>✓ Rechargeable IS battery (Rev 2)</li> <li>✓ CAN Bus</li> <li>✓ RapidSense Ex ia CH4 Sensor</li> <li>✓ Nautitech® 5060 flameproof enclosure</li> <li>✓ External Pressure Switch (Air Solenoid Feedback)</li> <li>✓ Faster response time</li> <li>✓ 60% faster warm-up time</li> </ul>	<ul style="list-style-type: none"> <li>✓ Easy-to-read LCD Hawkeye Display</li> <li>✓ Rechargeable IS Battery (Rev 3) - with integrated RTC for time stamping, built-in Alternator Protection Device (APD), and Galvanic Isolation</li> <li>✓ CAN Bus</li> <li>✓ RapidSense Ex ia CH4 Sensor</li> <li>✓ Nautitech® 5060 flameproof enclosure</li> <li>✓ External Pressure Switch (Air Solenoid Feedback)</li> <li>✓ Faster Response Time</li> <li>✓ 60% faster warm-up time</li> <li>✓ Anti-condensation heating element</li> <li>✓ Sintered Filter for greater Ingress Protection</li> <li>✓ Manual and automated Time Telemetry Response for compliance to AS/NZS 2290.3.2018 requirements</li> </ul>
<b>Upgrade Recommendation</b>	Recommend upgrade to Ex ia system in Australia	Supported in the field but recommend upgrade to latest version with heater element	Supported in the field but recommend upgrade to latest version with heater element	Supported in the field
<b>Equipment Applications</b>	Personnel Transporters LHDs Graders Electric Vehicles: Retrievers, Dozers Longwall Relocation Equipment Battery Powered Vehicles Diesel Power Generators			