

METHANE MASTER

by Nautitech

NEW (Ex d ia) Methane Safety System

Designed exclusively for underground coal mines

The most widely used diesel vehicle shut down system in Australia now has an I.S. sensor



New Ex ia system features	Benefits
Intrinsically Safe Sensor	Continuous gas monitoring
Improved Ingress Protection	Higher reliability
New socketed sensor element	Faster fitment and removal of sensor head for NATA Calibration
Infrared sensing technology	Not susceptible to 'poisoning'
	Higher stability, lower 'drift'
Warm up time twice as fast as previous model	Shorter delay-to-start for mobile machinery
Faster time response	Shorter delay to shutdown
Higher precision	More accurate gas read-out
Ruggedized stainless steel construction	More durable than competitors' products
Adherence to performance standard	Standard IEC 60079-29-1
NATA calibration date stored electronically on the sensor	Last NATA calibration date visible via the display (not reliant on hand written labels)



NEW COMPONENTS UPGRADE KIT

DISPLAY

Better system diagnostics

FITTING

For socketed Rapidsense I.S. sensor head

RAPIDSENSE I.S. SENSOR HEAD

For continuous methane monitoring

FILTER KIT

For faster sensor response time

SNOUT

Designed for fast sensor head removal for calibration (simply remove grub screws and unscrew snout to remove head)



*Other minor components are also included in the kit that are not shown on this brochure. Display FLP Enclosure not included. For full list of components, please contact NTMS.



New battery with I.S. and non I.S. outputs



Sensor interface board included



New pressure switch - allows bypass mode detection and pneumatic fault detection



New display board - blue LED indicates sensor power, red indicates high methane and orange indicates fault condition

Range Methane	Accuracy	Operating Voltage Range	Current Consumption	Operating Temperature Range	Humidity	Data Comms Protocol	Certifications
0-5% v/v	0.1% CH ₄	7-16VDC	<100mA	-20 to +60 deg. C	0-95% non-condensing	CAN	IECEX ITA 14.0009X IECEX ITA 13.0021X MDR 141807 GD-0

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Nautitech is wholly Australian, our technology is designed and manufactured in house:

- The first widely adopted methane shutdown system.
- The first broad band power line modem to take real time data from the face.
- The first electronic diesel engine packages for hazardous areas.
- The first thermal camera for use in hazardous areas.

www.ntms.com