

IECEx MSC 21.0004X		HYBRID SNOUT (New system only) NSW MDR - Snout configuration Type "B"				
Hybrid Assembly - Hawkeye Display	Part	Part Number	Part Description	Requirments	DoC	Notes
<p>Manual and automated time response and telemetry testing to AS2290.3.2018 standards</p> <p>DISPLAY Rugged Hawkeye display with full colour graphics</p> <p>RAPIDSENSE I.S. SENSOR HEAD For continuous methane monitoring (with software upgrade)</p> <p>HYBRID SNOUT Designed for quick removal for cleaning</p> <p>FITTING FOR SENSOR With anti-condensation heating</p> <p>SINTERED FILTER KIT For increased Ingress Protection</p>		ME5070-2-99-112	Sensor Assembly, Rapidsense, IS CH4	Part that is delivered with every new Methane Shutdown system.	ME5070-2-99-112 Covers entire assembly IECEx MSC 21.0004X	Assembly that contains: ME5070-2-04-009 (fitting for sensor) ME5070-2-19-009 (RAPIDSENSE I.S sensor head) ME5070-2-24-005 (Sintered filter kit) ME5070-2-90-159 (hybrid snout)
		ME5070-2-04-009	Fitting and Connector Assembly, Rapidsense, IS CH4	Revision 8	ME5070-2-04-009 IECEx MSC 21.0004X	Supports Heating element
		ME5070-2-19-009	Sensor Element Assembly, Rapidsense, IS CH4	Revision 7	ME5070-2-19-009 IECEx MSC 21.0004X	Sensor that is marked with Yellow ring around the sensor element entry
		ME5070-2-24-005	Sintered Filter for Hybrid Snout	-	-	-
		ME5070-2-90-159	Hybrid Snout	-	ME5070-2-90-159 IECEx MSC 21.0004X	-
		ME5070-2-12-005	PCB, CH4 Interface Board	-	ME5070-0-12-005 IECEx MSC 21.0004X	Part that is installed inside the FLP Display enclosure.
		ME5070-2-07-019	Calibration Cap Hybrid	-	-	-
		ME5070-2-07-020	Washcap Hybrid - RED	-	-	-

IECEx MSC 21.0004X or IECEx ITA 13.0021X		ORIGINAL SNOUT (Discontinued) NSW MDR - Snout configuration Type "A"				
Sensor Assembly - Hawkeye Display	Part	Part Number	Part Description	Requirments	DoC	Notes
<p>Manual and automated time response and telemetry testing to AS2290.3.2018 standards</p> <p>DISPLAY Rugged Hawkeye display with full colour graphics</p> <p>RAPIDSENSE I.S. SENSOR HEAD For continuous methane monitoring</p> <p>SNOUT Designed for quick removal for cleaning</p> <p>FITTING FOR SENSOR With anti-condensation heating</p> <p>SINTERED FILTER KIT For increased Ingress Protection</p>		ME5070-2-99-112	Sensor Assembly, Rapidsense, IS CH4	Part that is not supplied anymore with new methane shutdown system.	ME5070-2-99-112 Covers entire assembly IECEx MSC 21.0004X or IECEx ITA 13.0021X	Assembly that contains ME5070-2-04-009 (fitting for sensor) ME5070-2-19-009 (RAPIDSENSE I.S sensor Head) ME5070-2-24-004 (Sintered filter kit)
		ME5070-2-04-009	Fitting and Connector Assembly, Rapidsense, IS CH4	-	ME5070-2-04-009 IECEx MSC 21.0004X and IECEx ITA 13.0021X	- rev.8 supports heating element
		ME5070-2-19-009	Sensor Element Assembly, Rapidsense, IS CH4	Revision 5 Revision 6 Revision 7	ME5070-2-19-009 IECEx MSC 21.0004X or IECEx ITA 13.0021X	-
		ME5070-2-24-004	IS CH4 Sensor Sintered Filter Kit	-	-	-
		ME5070-0-01-021	Housing, CH4 Sensor Assembly	-	ME5070-2-04-009 IECEx MSC 21.0004X and IECEx ITA 13.0021X	-
		ME5070-2-12-005	PCB, CH4 Interface Board	-	ME5070-0-12-005 IECEx MSC 21.0004X and IECEx ITA 13.0021X	Part that is installed inside the FLP Display enclosure.
		ME5070-2-07-017	Cap, Calibration, IS CH4, Short Snout, White	-	-	-
		ME5070-2-07-018	Cap, Washdown, IS CH4, Short Snout, Black	-	-	-

- All parts above have been certified by ITA and MSC. All have current CoCs.
- I.S Descriptive System Document refers to both ITA and MSC CH4 Sensor assembly. MSC certificate replaces the ITA certificate if Hybrid snout is used.

Transition to HYBRID (must be performed by competent person)

Options	DoC Requirements	Notes
1 Replace the ME5070-2-99-112 Sensor Assembly with HYBRID PN: ME5070-2-99-112	DoC of IECEx MSC 21.0004X for ME5070-2-99-112 will be provided	In NSW the sensor element PN:ME5070-2-19-009 must have software revision 2.02. which is indicated by the yellow ring around the sensor entry.
2 Replace the standard Snout - with HYBRID (snout only) PN: ME5070-2-90-159	DoC of IECEx MSC 21.0004X for snout ME5070-2-90-159 will be provided Assures compliance with all the parts that are used together with this snout. ME5070-2-90-159 has serial number that is used for traceability. Therefore, serial number for ME5070-2-99-112 is not required. ME5070-2-04-009 (Brass fitting) must be rev.8. that supports heater element.	

Organisation Nautitech Mining Systems Pty Ltd Date: 13/04/2023 Prepared by Artur Gorski Checked by Mojtaba Ghaderi	Title CH4 Sensor assembly matrix Document Number MS00257 Version 01	Notes:
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