

Gas Detectors - Flammable Gases & Oxygen

Last Issue Date: 30/01/2020		Type Of Service				
Activity		A	B	C	D	E
1	Check: a) On system alarm conditions. b) Out of normal readings produced from the system. c) Where practicable, the cleanliness of detector heads. d) That the system is operating normally.			Y	Y	Y
2	a) A verification check shall be performed using the applicable certified gas corresponding to at least 40% of full scale concentration or as appropriate for the gas. For Oxygen use a certified concentration 20.9% by volume. b) Test gas/es shall be applied at the gas sensing elements of the system and the output from all readout devices incorporated in the system shall be noted. c) Where the system incorporates multiple measuring ranges, a verification check shall be performed on each measuring range. d) Where the system detects more than one gas, a verification check shall be performed for each of those gases. e) Where the system incorporates multiple sensing heads or sampling points, verification checks shall be conducted at each sensing head or sampling point. NOTE: At each readout device the output shall be within the accuracy requirements of this Standard for each test gas application.			Y	Y	Y
3	Test solenoid back-up battery and charging system (if applicable).			Y	Y	Y
4	a) The accredited test authority shall conduct a calibration of the equipment over its full operating range/s in accordance with that authority's terms of registration. The authority shall also verify the operation of all equipment functions with particular reference to alarm activation. b) Issue of a Calibration Certificate of Compliance covering the period to the next required examination by an accredited test authority.				Y	Y
5	Ensure shutdown of solenoid after gas calibration (if applicable).				Y	Y
6	If applicable replace the filter. Refer to the Special Comments for notes on servicing.				Y	Y
7	Replace gas sensor.					Y
8	Record all results in log book.			Y	Y	Y

Disclaimer -This TDS is intended to provide guidance only to support Preventative Maintenance servicing activities. All TDS users are encouraged to read and understand the full [Conditions of Use](#) provided on the final page of this document and on the DPTI website.

For more information please contact the applicable Facilities Management Service Provider.



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Special Comments and Technical Data

C SERVICE 3-6 MONTHLY DEPENDING ON MANUFACTURER'S RECOMMENDATIONS AND SITE CONDITIONS.

D SERVICE ANNUAL

E SERVICE EVERY 2 YEARS

NOTE: THOSE PARTS OF THE SYSTEM FAILING TO MEET THE ACCEPTANCE CRITERIA ARE TO BE IMMEDIATELY BE WITHDRAWN FROM SERVICE. THIS SHALL BE DONE IN A MANNER WHICH LEAVES THE SYSTEM IN AN OPERATIONAL CONDITION AS FAR AS PRACTICABLE AND WITH ONLY THOSE SYSTEM COMPONENTS WHICH CONFORM TO THE ACCEPTANCE CRITERIA STILL IN SERVICE.

THIS IS A GENERIC TDS. SERVICING AND CALIBRATION REQUIREMENTS MAY VARY DEPENDING ON THE MANUFACTURER'S RECOMMENDATIONS AND SITE CONDITIONS.

REFER TO AS60079.29.2 FOR ADDITIONAL INFORMATION.

FOR THE SECONDARY TDS FOR OXYGEN SENSOR CALIBRATION REFER TO ME76A.

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