



APPROVED

Certificate of Compliance

GAS DETECTION EQUIPMENT

This certificate is issued for the following equipment:

MicroSafe™ H2S Gas Sensors – Model TP-524D, TP-524DK and TP-524DS

Approval Guide Listing: Category:
Stationary Single Channel 4-20 mA Toxic Gas Detector. Models TP-524D, TP-524DK and TP-524DS transmitter with integral sensor monitors 0 – 50 ppm hydrogen sulfide gas-in-air atmospheres and provide a four character alpha/numeric LED display, alarm and fault LED indicators. The operating temperature range of the detector is -40 °C to +60 °C, and the operating voltage is 24 Vdc (nominal). The detector provides a 4 – 20 mA output. The detector complies with ISA-92.0.01, Part I-1998 Performance Requirements for Toxic Gas-Detection Instruments: Hydrogen Sulfide. The Splash Guard with calibration port, p/n 600-610000-000 is included in the Approval. The TP-524D is suitable for installation as explosionproof in Class I, Division 1, Groups B, C, and D Hazardous (Classified) Locations. Specifications - The manufacturer's specifications are as follow:

Storage Temperature:	-35 °C to +55 °C
Operating Temperature:	-40 °C to +60 °C
Relative Humidity:	5 to 95% RH, non-condensing
Supply Parameters:	21-30 Vdc, (24 Vdc nominal), 2 watts max
Measurement Signal:	4-20 mA
Calibration:	Magnet (Local)

Detcon Inc
3200 Research Forest Dr
The Woodlands, TX 77381
United States

This certifies that the equipment described has been found to comply with the applicable requirements, as stated in the Approval Report(s), of the following FM Approval Standards and other documents:

<i>Approval Standards</i>	<i>Date</i>	<i>Other Standards</i>	<i>Date</i>
Class Number	1998	<i>Organization, Designation</i>	1998
3600	2006	ISA-92.9.0.01 Part I	1998
3615	2002		
6340 (draft)			

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Related Report:

Subsequent Revisions:

J.E. Marquardt

James E. Marquardt
Group Manager - Electrical
FM Approvals
1151 Boston-Providence Turnpike,
Norwood MA, 02062 USA



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