

INSPECTION PROTOCOL**EX-TEC® HS 680**

Manuf. no. (e.g.: 064 01 0501)

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01.08.2020

1.0	General status																			
1.1	– Perfect condition (e.g.: Y / N)																			
1.2	– Fine dust filter correct (e.g.: Y / N)																			
1.3	– Disposable/rechargeable battery capacity (e.g.: ¼)																			

2.0	Pump check																			
2.1	– Pump error F100 in seal																			

3.0	Inspection above ground																			
3.1	Zero point – Display with fresh air																			
3.2	Test gas 10 ppm CH ₄ – Display ≥ 8 ppm in 10 seconds																			

4.0	Structure																			
4.1	Zero point – Display with fresh air																			
4.2	Test gas 1.00 % vol. CH ₄ – Display 0.80 – 1.20 % vol.																			

5.0	Plants																			
5.1	Zero point – Display with fresh air																			
5.2	Test gas 1.00 % vol. CH ₄																			

Warning %LEL (work area monitoring)

6.0	Zero point																			
6.1	– Display -3 – +3 % LEL or – Display -0.15 – +0.15 % vol. Test gas 50 % LEL 2.20 % vol. CH ₄																			
6.2	– Display 45 – 55 % LEL or – Display 2.00 – 2.40 % vol. Visual alarm (e.g.: Y / N)																			
6.3	Audible alarm (e.g.: Y / N)																			
6.4																				

Warning ExTox

7.0	Zero point																			
7.1	– Display -0.15 – +0.15 % vol. Test gas 2.20 % vol. CH ₄																			
7.2	– Display 2.00 – 2.40 % vol. Test gas 2.00 % vol. CO ₂																			
7.3	– Display 1.80 – 2.20 % vol. Visual alarm (e.g.: Y / N)																			
7.4	Audible alarm (e.g.: Y / N)																			
7.5																				

Gas measuring (absence of gas)

8.0	Zero point										
8.1	– Display -0.3 – +0.3 % vol. Test gas 100 % vol. CH ₄										
8.2	– Display 98 – 102 % vol.										

Measuring in bar holes

9.0	Zero point										
9.1	– Display -0.3 – +0.3 % vol. Test gas 100 % vol. CH ₄										
9.2	– Display 98 – 102 % vol. Test gas 20.0 % vol. CO ₂										
9.3	– Display 18.0 – 22.0 % vol.										

Further gases (optional)

10.0	Oxygen O ₂										
10.1	Zero point (test gas 100 % vol. CH ₄) – Display -0.5 – +0.5 % vol. Test gas 17.5 % vol. – Display 17.0 – 18.0 % vol. Test gas fresh air (20.9 % vol.) – Display 20.4 – 21.4 % vol. Hydrogen sulphide H ₂ S										
10.2	Zero point fresh air – Display -3 – +3 ppm Test gas 20 ppm – Display 17 – 23 ppm Test gas 40 ppm – Display 37 – 43 ppm Carbon monoxide CO										
10.3	Zero point fresh air – Display -3 – +3 ppm Test gas 40 ppm – Display 37 – 43 ppm										

Ethane analysis (optional)

11.0	Test gas 50 ppm C ₂ H ₆ in synth. air										
11.1	– CH ₄ : No, C ₂ H ₆ : Yes, C ₃ H ₈ : No Test gas 100 ppm C ₂ H ₆ , 1 % vol. CH ₄										
11.2	– CH ₄ : Yes, C ₂ H ₆ : Yes, C ₃ H ₈ : No										

Comments

12.0	– Housing damaged – Adjustment, repair – Inspection at factory – or similar										
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Inspection

13.0	– Day										
	– Month										
	– Year										
	– Signature										