

TEST PROTOCOL

Gas mixture

Variotec[®] 480 EX

Serial no. (e.g.: 065 01 00480)

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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	– Capacity disposable battery/ rechargeable battery (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/Plants									
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	Warning %LEL / Warning ExTox (test gas: fresh air)									
5.1	Zero point CH ₄ – Display -3 – +3 % LEL or – Display -0.15 – +0.15 % vol.									
5.2	Fresh air O ₂ (20.9 % vol.) – Display 20.4 – 21.4 % vol.									
5.3	Zero point CO – Display -3 – +3 ppm									

6.0	Warning %LEL / Warning ExTox (test gas: gas mixture)									
6.1	CH ₄ (2.20 % vol.) – Display 45 – 55 % LEL or – Display 2.00 – 2.40 % vol.									
6.2	O ₂ (17.5 % vol.) – Display 17.0 – +18.0 % vol.									
6.3	CO (40 ppm) – Display 37 – 43 ppm									
6.4	Visual alarm (e.g.: Y / N)									
6.5	Audible alarm (e.g.: Y / N)									

7.0	Bar holes/measuring										
7.1	Zero point CH ₄ – Display -1.0 – +1.0 % vol.										
7.2	Test gas 100 % vol. CH ₄ – Display 98 – 102 % vol.										

8.0	Ethane analysis										
8.1	Test gas 100 ppm C ₂ H ₆ , 1 % vol. CH ₄ – CH ₄ : Yes, C ₂ H ₆ : Yes, C ₃ H ₈ : No										

9.0	Comments – Housing damaged – Adjustment, repair – Inspection at factory – Or similar										
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10.0	Inspection										
	– Day										
	– Month										
	– Year										
	– Signature										