

Technical specification of Portable Hydrogen purity analyzer

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S. No	Description	Specification
1	Application	Portable device for detecting hydrogen content and explosive & toxic gases presence
2	Detection principle	Catalytic combustion Thermal conductivity
3	Range	0-500 ppm 0-100% LEL 0-100% Vol
4	Accuracy	$\pm 0.2\%$ of Full scale
5	Explosion proof	Analyzer should be explosion proof for hydrogen gas application
6	Response time	Upto 10 seconds
7	Operating temperature	0 to + 50 deg C
8	Sampling method	Hand Aspirated or Diffusion (Automatic sampling pump – optional)
9	Batteries	4 Nos. rechargeable batteries
10	Display	7 segment back light LCD display
11	Alarms	(i) Three level alarm settings over full range (ii) Continuous audible as well as visual alarm for low battery (iii) Pulsing audible tone for low alarm (iv) Continuous audible tone for high alarm
12	Warm up time	Upto 10 seconds
13	Humidity	95 % RH
14	Accessories required	Probe with filter, aspirator, 04 nos. rechargeable batteries and battery charger
15	Warranty	One year manufacturer's warranty
16	Carrying case	Suitable carrying case required
17	Instruction manual	Required
18	Calibration certificate	Required
19	Commissioning, demonstration and training	Required


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