

Technical Specification of Portable Alloy Analyzer	
Type: Digital, Hand held, robust (Gun type)	
Display: LCD/TFT with back light	
Operating temperature :0-50 deg C, or higher	
General metal detection: Should measure Fe, Cr, Mo, Ni, Mn, W, Cu, Al	
Material grade like: Instrument should indicate separately material grade/Type - AS/MA/SS/HIGH Carbon steel etc.,	
Optional metal detection: Zn, Ti, Co,Se, Nb, Zr, Pd,Ag,Sn,Sb, Ta, Hf, Re, Pb, Bi, Si etc.,	
Accuracy: $\pm 1\%$ of reading or better	
Data logging facility: should have	
Software for logging : to be provided	
Display hold: Should have	
Safety: CE Make preferred	
PC connetivity: RS232/USB/Bluetooth	
Weight: Not more than 2KG	
Power management: Operated by rechargeable battery (with charger)	
Accessories: All accessories like manual, probes, PC cable, Carrying case, Battery, CD etc.,	
Calibration certificate: Calibration certificate with National/International/Tractability	