

Turbidity Meter

The instrument should be of latest generation and should have the following features and technical specifications.

Features:

The instrument should be suitable for laboratory and in the field.

Specifications	
Principle of operation	Nephelometric Ratio
Operating Modes	Manual or Auto Range Selection
Measurement Mode	NTU
Range	0-1000 NTU in automatic range mode or better Manual range selection of 0-9.99, 0-99.9 and 0-1000 NTU
Accuracy	$\pm 2\%$ of reading or ± 1 least significant digit from 0.500 NTU or better $\pm 3\%$ of reading between 500-1000 NTU or better
Resolution	0.01 on lowest range or better
Repeatability	$\pm 1\%$ of reading, or 0.01 NTU, whichever is greater
Light Source	Tungsten lamp. Typical lamp life should be $> 100,000$ readings
Signal Averaging	Selectable on/off