

### **OXIDATION INDUCTION TIME APPARATUS**

<b>Sr. No.</b>	<b>Parameter</b>	<b>Range</b>
1.	Temperature Range	Ambient to 300 °C or above
2.	Temperature Accuracy	0.1 °C or better
3.	Resolution	0.1°C
4.	Ramp rate	20°C/min. for test & 2°C/min for calibration
5.	Controller	Microprocessor based L.C.D. display for process temperature, PID Controller with temperature range up to 300°C or better
6.	Maximum Test time (in Minutes)	0 to 250 or better
7.	Gas Flow Range	Through gas regulator on the cylinder and rotameters on the machine
8.	Flow Control Accuracy	0.1 ml / min or better
9.	Temperature Control system	High precision
10.	Calibration	Auto Calibration using NIST Traceable certified Tin and Indium
11.	Facility for Software (Data sampling , Save sampling data, Load data, Smoothing of curve for proper analysis, Gas changeover system, Software to measure and report Oxidation Induction Time of polyethylene and other polymer, Facility for Report with Graph)	All relevant data/parameter must be control through software and can be store in PC.
12.	Standard requirement	IS 4984:2016 and ASTM D 3895
13.	Accessories	-Minimum 200 or more Aluminium Pans, -Minimum 100 nos or more Copper pan, - NIST Traceable certified Tin and Indium (for calibration), -Gas regulators, -Specimen holder