

Materials List for:

Measurement of Aerosols Optical Thickness of the Atmosphere using the GLOBE Handheld Sun Photometer

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Materials

Name	Company	Catalog Number	Comments
A Calibrated GLOBE handheld sun photometer	IESRE, USA (GLOBE sun photometer) and TERNUM, UK (Calitoo sun photometer)		The GLOBE sun photometer measures AOT at 505 nm and 625nm.
Barometer	Forestry suppliers, USA, Cat# 43316	43316	The aneroid barometer must have a clear scale with a pressure range between 940 and 1,060 millibars.
GLOBE cloud chart	Forestry Suppliers, USA Cat#33485	33485	A free cloud identification chart is obtained from www.globe.gov .
Hygrometer	Forestry suppliers, USA, Cat# 76254	76245	Any digital hygrometer which measures relative humidity in the range of 20-95% with an accuracy of 5% is acceptable.
Labquest2 GPS	Vernier, USA, Cat LABQ2	LABQ2	Vernier LabQuest 2 is a standalone interface used to collect sensor data with its built-in graphing and analysis application. GPS is one of its built-in sensors
Taylor Orchid Thermometer	Forestry Suppliers, USA Cat# 89129	89129	
Watch	Forestry suppliers, USA, Cat# 39137	39137	The watch must be digital and capable of measuring time up to seconds.