

## WET BULB GLOBE TEMPERATURE DEVICES

MSHSAA will not recommend any particular manufacturer or retailer of Wet Bulb Globe Temperature devices. MSHSAA is sensitive to directing schools to instruments that are portable and that are within the \$200-\$400 price range. The following list of instruments and websites is being put together with several caveats. First, this is not an exhaustive list – there are other units available that are functional and affordable. Second, there should not be any assumption that MSHSAA is recommending or endorsing any particular instrument. The purchasing decision on a WBGT monitor should be based on the reliability of the unit and the level to which it accurately assess the WBGT. Finally, there is no guarantee that any device listed will be sold within the price range cited above.

Instrument	Company	Approx Price	Website	Accuracy +/-	Portability	Ease of Use
Kestrel 5400	Nielsen Kellerman	\$479-\$599	<a href="https://kestrelmeters.com/products/kestrel-5400-heat-stress-tracker">https://kestrelmeters.com/products/kestrel-5400-heat-stress-tracker</a>	WBGT 1.3 F or .7C	Yes	Very
Quest Temp	3M	\$3,700	<a href="http://www.raeco.com/acatalog/Buy-3M-Natural-Wet-Bulb-QUESTemp-Area-Heat-Stress-Monitor.html">http://www.raeco.com/acatalog/Buy-3M-Natural-Wet-Bulb-QUESTemp-Area-Heat-Stress-Monitor.html</a>	<b>WBGT Unreported</b> Temperature: $\pm 0.5^{\circ}\text{C}$ between $0^{\circ}\text{C}$ and $120^{\circ}\text{C}$ • Relative humidity: $\pm 5\%$ between 20 to 95% (non-condensing)	Yes	Yes
General Reed -- WBGT Meter R6200	General	\$ 216.00	<a href="http://www.reedinstruments.com/product/reed-r6200-wbgt-heat-stress-meter">http://www.reedinstruments.com/product/reed-r6200-wbgt-heat-stress-meter</a>	10% to 70%: $\pm 3\%$ Best of Range $\pm 5\%$	Yes	Yes
EXTECH HT30 Heat Stress Meter Wet Bulb Globe Temperature (WBGT)	EXTECH	\$ 135.99	<a href="http://www.extech.com/HT30/">http://www.extech.com/HT30/</a>	WBGT 2.0 C	Yes	Yes
WBGT HotBox	Sigmaproducts	\$ 356.00	<a href="http://www.wetglobe.com">www.wetglobe.com</a>	1.0 F	Yes	Somewhat
Delta OHM HD 32.3	Delta OHM	\$ 1,235.00	<a href="https://shoptta.com/shop/brands/delta-ohm/delta-ohm-hd-323/">https://shoptta.com/shop/brands/delta-ohm/delta-ohm-hd-323/</a>	unknown	Yes	Somewhat
WBGT-103 Heat Stroke Prevention Meter	Kyoto	unknown	<a href="https://www.gpsil.co.uk/index.php?CID=223#">https://www.gpsil.co.uk/index.php?CID=223#</a>	WBGT : $\pm 2.0^{\circ}\text{C}$ (15 to $35^{\circ}\text{C}$ ) Relative Humidity : $\pm 5.0\%$ (20 to 80%RH at $25^{\circ}\text{C}$ ) Globe temperature : $\pm 2.0^{\circ}\text{C}$ (15 to $50^{\circ}\text{C}$ )	Yes	Somewhat