

Gem-A News

A round-up of the latest news from Gem-A

MULTI-TESTER VS THE THERMAL DIAMOND TESTER

Have you ever needed an instant test to help determine if you have a diamond? Sophie Cox, Gem-A Instruments assistant, shares her must-haves for all gemmologists this season...

The Gem-A Multi-Tester and Gem-A Thermal Diamond Tester are both precision instruments for distinguishing between diamonds and simulants. There is one key difference to consider when making your choice; the Multi-Tester tests for all diamond simulants whereas the Thermal Diamond Tester tests for diamond simulants except for synthetic moissanite.



The Multi-Tester works by measuring electrical conductivity through the stone, and can distinguish between gemstones since diamond is not electrically conductive and synthetic moissanite is. In comparison, the Thermal Diamond Tester measures the thermal conductivity of the stone, and can distinguish between stones because diamond has a higher thermal conductivity than its simulants. This is true except for synthetic moissanite so, if a positive result is obtained with a Thermal Diamond Tester, further tests must be carried out to ensure the stone is not synthetic moissanite.

These testers are user-friendly with instant results, therefore making a brilliant addition to your instruments collection! A protective travel case and full instructions are included with all testers. ■



Gem-A Instruments stocks a range of equipment, including the Gem-A DIT0016 Multi-Tester (£145 + VAT) and the Gem-A DIT0011 Thermal Diamond Tester (£60 + VAT). See the Gem-A Instruments catalogue online or email instruments@gem-a.com for more information.