



Gemlogis BELIZE Combination Tester



Gemlogis BELIZE is a portable diamond verification instrument for loose and mounted stones designed to separate natural diamonds from synthetic diamonds and diamond simulants with its double probe tip testing method.

The user depresses the probe tip 90 degree perpendicular to the table of the gemstone to start the testing. The instrument indicates **Simulant** if the test specimen is not a moissanite, diamond or synthetic diamond. Alternatively, it will prompt the user to 'perform test II' when the specimen is a moissanite, diamond or synthetic diamond.

The instrument makes a measurement and displays one of the following results:

- ◇ Simulant
- ◇ Moissanite
- ◇ Diamond (Earth-Mined)
- ◇ Type IIa /HPHT/CVD
- ◇ Metal

Stone Testing Capabilities

Weight of stones:	0.02 ct+
Size of stones:	1.5 mm+
Colour of stones:	D-J
Shape of stones:	All
Diamond simulants:	Yes
Mounted stones:	Yes not yet ASSURE Tested

Instrument Capabilities

Automated feed:	No
Automated results:	Yes
Automated dispense:	No
Detect or Refer (synthetic diamonds)	Detect except Type IIa
Detect or Refer (diamond simulants)	Detect
Multiple stones at once:	No
Training required:	No

Instrument Performance

The results demonstrate the performance of Gemlogis BELIZE tested by a novice operator:

	Core Sample
Diamond False Positive Rate <i>Optimal rate 0%</i>	0%
Diamond Referral Rate <i>Optimal rate 0%</i>	6.9%
Diamond Accuracy Rate <i>Optimal rate 100%</i>	92.3%
Speed <i>Stones tested per hour</i>	195

Instrument Specifications

 **4.8 cm (w) x 18.1 cm (h) x 2.4 cm (h)**

 **0.12 kg**

999 USD March 2021

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