



Gemlogis BELIZE PRO



Overview

Gemlogis BELIZE PRO 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 degrees perpendicular to the table of the gemstone to start the testing. The instrument makes a measurement and displays one of the following results:

- i) Natural Diamond
- ii) Lab-Grown CVD/HPHT/Type IIa
- iii) Simulant
- iv) Moissanite
- v) Metal (indicated probe needs to be repositioned onto facet of stone).

Stones classified as Lab-Grown CVD/HPHT/Type IIa are considered referrals and should be submitted for further testing. Stones classified as Simulant or Moissanite are considered diamond simulants for the calculation of ASSURE performance metrics.

Stone Testing Capabilities

Weight range: **>= 0.02ct**
Colour range: **D to J**
Stone shape: **All**
Diamond simulants: **Yes**
Mounted stones: **Yes**

Instrument Capabilities

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

ASSURE 2.0 Performance

Key ASSURE 2.0 test results for BELIZE PRO:

	Primary Loose	Small	Primary Mounted
Diamond False Positive Rate (Optimal rate 0%)	0.0% +/- 0%	N/A	0.0%
Diamond Referral Rate (Optimal rate 0%)	6.2% +/- 1.5%	N/A	14.4%
Diamond Accuracy Rate (Optimal rate 100%)	93.8% +/- 1.5%	N/A	85.6%
Test Speed Stones per hour	175 +/- 15		

Notes:

Uncertainty ranges (+/-) are based on repeatability testing (three trials) and represent spread of results in absolute terms.
Test Speed based on time to screen the full Primary Loose sample set, and includes time taken to retest Referrals.
See Laboratory Report for full set of performance results.

Instrument Specifications

5.0 cm (W) x 19.4 cm (D) x 2.7 cm (H)
 0.129 kg

Price: 1.299 USI (Jan 2026)

Contact

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