Probe tool: User Guide

PRB-1 | Blaide product line | 17 November 2026 | Design only: nothing built or tested | Draft



Using it

- **1.** Fit the probe tool on a free dock position (it takes the second dispenser's place).
- **2.** Run the reference coupon once after fitting: six pads must read within 10 % of their values.
- **3.** After a copper or silver layer, choose Test board in the app.
- **4.** Red marks are opens, amber marks are bridges, grey marks are nets too small to judge.
- **5.** Tap a mark to send the dispenser or the camera to that spot.

Safety

Hazard	Protection	What you must do
Sharp probe tip	Tip retracts 2 mm on a spring	Handle by the body; keep on the cradle when not fitted
Electrical	3.3 V at the tip, under 1 mA	None significant

Specification

Parameter	Target
Size / mass	38 x 34 x 105 mm, about 55 g
Tip	0.6 mm spring probe in a driven shield
Sensor	Capacitance converter, about 0.5 fF resolution (datasheet class)
Sensitivity	2.49 pF per cm2 of copper on 1.6 mm FR-4
Smallest net judged	0.04 pF, about 1.6 mm2 of copper
Coverage on the sample board	11 of 12 nets
Supply	3.3 V from the tool's switched 24 V; under 1 mA