Model *1*

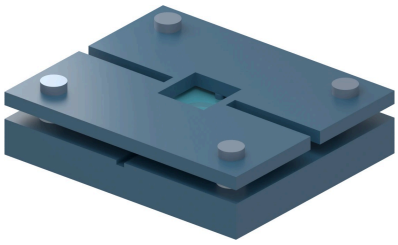
Benchtop materials instrument



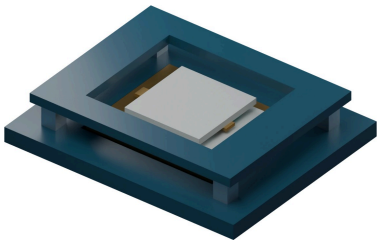
Technical specifications

Instrument type	Benchtop AC/DC electrical characterization
Materials	Liquid crystals, liquid-crystal elastomers and other polymers
Enclosure	322 × 191.5 × 139.4 mm Width × depth × height, including feet
Operator interface	14° display deck with a separate touchpad
Front bays	Dedicated task module and reference cartridge bays
Measurement panel	Four force/sense terminals, one guard and one auxiliary terminal
Sample holders	Liquid-crystal droplet, polymer film and elastomer strip

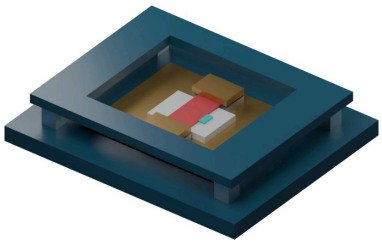
Sample holders



Liquid-crystal droplets
Parallel plates enclose the droplet.



Polymer films
The electrodes face opposite sides of the film.



Elastomer strips
End contacts sit at opposite ends of the supported strip.

Design status
Design stage · Revision 0.2 CAD. Dimensions refer to the enclosure design. Images are renders, with illustrative display readings.