



## GDL/PTL MATERIAL TESTER

Measurement of GDL thickness, contact resistance and in-plane permeability , in-plane resistance, sheet resistance (ohm/sq) and thru-plane permeability under compression



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## FEATURES

- Surface stress control
- Sample thickness measurement to 1μm accuracy
- Contact resistance test (μohm)
- Resistivity test (vertical/plane direction)
- Permeability test (vertical/plane direction) (Darcy, Gurley Sec)
- Sample non-parallel compensation
- Inelastic sample test
- Auxiliary positioning fixture
- Optional integration with production line equipment
- Sample making tooling
- Test data recording and export
- Safe operation module

## PARAMETERS

|                                           |                                       |
|-------------------------------------------|---------------------------------------|
| Driving Mode                              | Pneumatic                             |
| Max Distance                              | ≥100mm                                |
| Maximum Pressure                          | 2.2KN                                 |
| Test Fixture                              | Equipped with 2 metal pressure plates |
| Thickness                                 | 0-3000μm                              |
| In-plane Permeability                     | 0.5-50 Darcy                          |
| Thru-plane Permeability                   | 0.05-5 Darcy                          |
| Thru/in-plane Resistivity Measuring Range | 1μΩ-1MΩ                               |
| DC Voltage                                | 10V                                   |
| DC Current                                | 3A                                    |
| Durability                                | > 33 million cycles                   |