



PRODUCT RELEASE

PXIe-4190 LCR Meter and SMU

NI's new LCR & SMU ensures the speed, accuracy, usability, and repeatability needed to efficiently perform DC and impedance measurements in a variety of applications.



Product Availability

Initial 2 MHz Release

Available Now

500 kHz Low-cost Variant

June 30, 2022

Key Features

LCR Meter with fF-class capacitance measurements

- Frequency: 40 Hz – 2 MHz
- DC bias: ± 40 V (AC + DC), ± 100 mA
- AC Stimulus: Up to 7.07 Vrms
- Short/Open/Load Compensation

SMU with fA-class current measurements

- ± 40 V, ± 100 mA
- 1 fA resolution with best-in-class noise performance

Connectivity

- Triaxial, Coaxial/BNC breakout cable options

Software

- NI-DCPower driver with added LCR measurement API
- Support for LabVIEW, C, C# .NET, Python

Chassis Support

- Supported by all 58W+ cooling chassis