

## PR-20 Portable NRL Arch

Lab quality data in the field



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The NRL Arch is the industry standard for measuring the free space radar reflection coefficient of flat radar absorbing materials (RAM). It was first developed by the U.S. Naval Research Lab (NRL).

MWT's new PR-20 Portable NRL Arch is a compact, lightweight and rugged high accuracy instrument for field testing of Radar Absorbing Materials on-board ships, on aircraft, or around antenna farms. There is no need to move your assets into an anechoic chamber, the PR-20 will allow you to do on-site testing!

The PR-20 comes with either the standard two 2-18 GHz or optional 1-24 GHz transmit and receive wideband horn antennas. The antennas are located at a standard 15 degrees incident angle to each other permitting near normal incidence reflectivity measurement.

### Get the FEATURES you need in a field-ready instrument:

- Rugged design for tough field environments
- Comes packed in a waterproof Pelican case for easy transport
- Compatible with Keysight, Anritsu and Rhode & Schwartz network analyzers

### Specifications:

- Frequency range: 2 GHz to 18 GHz
- Frequency range: 1 GHz to 24 GHz (with optional antennas)
- Amplitude Accuracy +/- 1.3 dB

### Physical Characteristics

- Array Size - 18" x 12" x 12"
- Weight of Array - 4 lbs.
- Standard 15 degree bistatic angle (custom angles available)
- Lead length – 1 m standard
- Can be configured for either TE and TM modes (user changeable)

### Included Pelican Case - Choice of Model 1620 or 1640

- Model 1620 Outside Dimensions - 24.8" x 19.4" x 13.9" 26 lbs. wheeled
- Model 1640 Outside Dimensions - 27.2" x 27.5" x 16.3" 38 lbs. wheeled