311A RF Z-Angle Meter

The Z-Angle Meter is an hybrid instrument that operates as an impedance bridge. Once balanced, its meter directly reads the phase angle. The 311A is the high frequency version. Late 1940s or early 1950s. It uses two ‘acorn’ diodes, type 9004, as RF rectifiers.

The Z-Angle Meters were designed by Luke Packard, who left Gen-Rad to co-found the Technology Instruments Corporation. The GR style was widely retained, with the sole exception of the red color panel.

Tube complement: 0A2, 0B2, 6BA6, 6BA6, 6SL7GT, 6X4, 9004, 9004