

POLARIZATION NETWORK SWITCHES

Our **SW series** polarization network switches are designed for switching between vertical, horizontal, right-hand, or left-hand circular polarizations when used in conjunction with a dual polarized log periodic antenna. These units may be mounted on the rear of our **LPC series** antennas. They are suitable for both transmit and receive applications.

The switching units are remotely controlled with our **CU** remote control units.

SPECIFICATIONS

	SW-2040	SW-8100/A	SW-2100
FREQUENCY (MHZ)	200 - 400	80 - 1000	20 - 1000
IMPEDANCE (OHMS)	50	50	50
POWER (W)	1 kW	1 W	1 W
RF CONNECTOR	N-female	SMA-female	SMA-female
CONTROL CONNECTOR	Type MS	Type MS	Type MS
POWER SWITCHING	28 VDC	28 VDC, 800 mA	28 VDC, 800 mA
SIZE (H X W X D)	10" x 7" x 7"	9" x 6.5" x 6.5"	9" x 6.5" x 6.5"
WEIGHT (LBS./KG)	6 / 2.7	4 / 1.8	4 / 1.8
CONTROL UNIT	CU-2040	CU-8100	CU-8100

ANTENNA ANALYZER

Our **ESTAR 2110A** antenna measurement analyzer is ideal for elaborate analysis of fundamental antenna parameters such as RF current distribution, close field, antenna patterns, impedance, and phase balance of antenna network.

A special characteristic of the **ESTAR 2110** is its capacity to measure the phase of RF signals with power levels as low as -120 dBm. It is impossible to perform these measurements with a classical network analyzer.

Current distribution is an important concept in the RF and microwave ranges. A few interesting applications of this technique are performing antenna patterns without an anechoic chamber, assistance to radiating elements design, production checking by analysis of RF signatures (the **2110** is fully GPIB programmable), and RF circuit tuning on printed substrates (amplitude/phase balancing, for example). A detailed description of this new measurement process is available in the application note AN 2110-4: RF current distribution measurements.



ESTAR 2110

SPECIFICATIONS

FREQUENCY	10 MHz – 2500 MHz
DYNAMIC RANGE	120 dB
RF INPUT SENSITIVITY	- 120 dBm
INTERFACE	IEEE, RS232