



A55

## A55 Thermal Converter

Model A55 Thermal Converters make possible accurate thermal-transfer aV to dV measurements from sub-audio frequencies to the VHF region.

The Model A55-110 Accessory Kit is recommended for use with A55 Thermal Converters in virtually any calibration or measurement setup. The kit includes:

- Coaxial tee for A55 input (GR type 874-TL).
- Three coaxial adapters for A55 input: UHF, BNC, and type N jack.
- Interconnecting coaxial cable, as source to coaxial tee.

**Voltage Ratings:** 0.5, 1, 2, 3, 5, 10, 20, 30 & 50V\*

\* Each converter is useable from  $1/2$  to 1 times its rated voltage (rms)

### Uncertainty

Frequency	Calibration Uncertainty*	Typical aV to dV Difference
<1 MHz		< $\pm 0.01\%$
1 MHz	$\pm 0.05\%$	$\pm 0.01\%$
10 MHz	$\pm 0.10\%$	$\pm 0.01\%$
20 MHz	$\pm 0.15\%$	$\pm 0.02\%$
30 MHz	$\pm 0.20\%$	$\pm 0.10\%$
50 MHz**	$\pm 0.50\%$	$\pm 0.30\%$

\* All calibration is referenced to center of GR 874-TL coaxial tee attached to converter input connector

\*\* 50 MHz calibration available only for 0.5, 1, 2, 3, 5, and 10V converters

**Input Impedance:**  $200\Omega/V$ , approximate

**Output Voltage:** 7 mV nominal, at rated input

**Output Resistance:**  $8\Omega$

**Reversal Error:** <250 ppm (0.025%)

## Model

### A55\* Thermal Converter

\* Order by voltage rating, eg: A55-05V. Prices are for each converter

### Accessories (Also see Section 19)

#### A55-110 Accessory Kit

#### C55 Storage Case