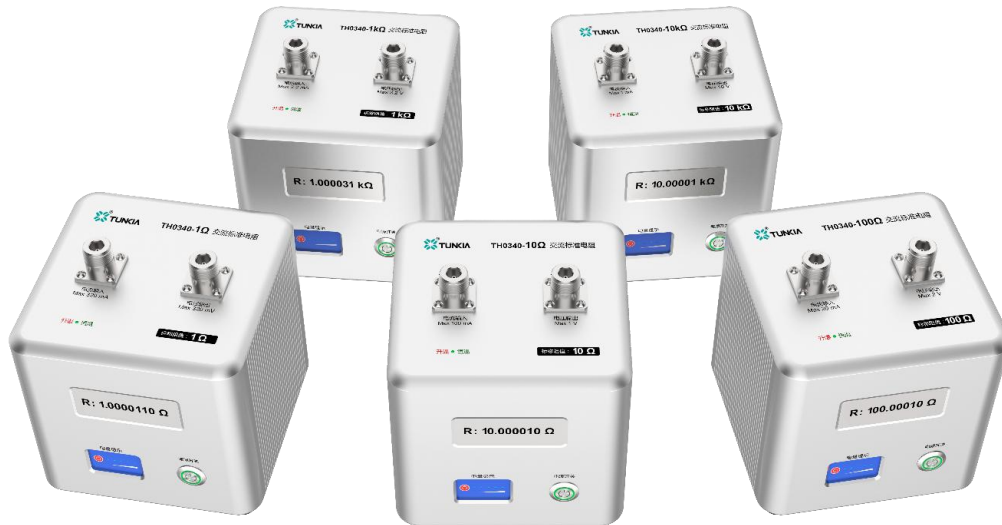


TH0340 AC Resistance Standard



1. Summary

TH0340 is a series of reference temperature-controlled AC resistance standards. It's suitable for calibrating AC impedance meters (LCR).

2. Features

- Available wide range of resistance values at 1 Ω, 10 Ω, 100 Ω, 1 kΩ, 10 kΩ.
- Long-term stability: 5 ppm/year (typical)
- Temperature coefficient: 0.2 ppm/°C (typical)
- Battery supply.
- No oil or air baths required
- 18°C ~ 28°C operating range
- Small and rugged

3. Specifications

3.1 AC Resistance

Model	Nominal Resistance(Ω)	Initial Deviation (\pm ppm)	Accuracy (\pm ppm)	Annual Stability (\pm ppm)
TH0340-1R	1	3	1.5	5
TH0340-10R	10	3	1.5	5
TH0340-100R	100	3	1.5	5
TH0340-1kR	1k	3	1.5	5
TH0340-10kR	10k	3	1.5	5

3.2 Auxiliary Performance

Model	Maximum Operating Current (mA)	Temperature Coefficient (\pm ppm/ $^{\circ}$ C)	AC/DC Difference @ 1 kHz (\pm ppm)
TH0340-1R	316	0.5	30
TH0340-10R	100	0.5	15
TH0340-100R	32	0.2	5
TH0340-1kR	10	0.2	5
TH0340-10kR	3.2	0.2	10

4. General Specifications

Power supply	Battery, at least for 7 hours.
Temperature performance	Operating temperature: 18 °C ~ 28 °C; Storage temperature: -10 °C ~ 55 °C;
Humidity performance	Working humidity: (40%-60%) R·H, no condensation; Storage humidity: <95% R·H, no condensation;
Weight	About 0.5 kg
Dimensions	100 mm (W) × 100 mm (D) × 104 mm (H) (excluding terminals and footpads)
	