

Turbine Temperature Specifications

Temperature Measurement

	TT1000A	TT1200A
Range	0 to 1000°C certified -60 to 1160°C extended	0 to 1300°C certified -50 to 1372°C extended
Accuracy	Typical measurement error at ambient (25°C) less than $\pm 1^\circ\text{C}$	Typical measurement error at ambient (25°C) less than $\pm 0.5^\circ\text{C}$

Lead Resistance Measurement

	TT1000A	TT1200A
20 Ω Range and resolution	0-19.99 Ω in 0.01 Ω increments	0-19.999 Ω in 0.001 Ω increments
200 Ω Range and resolution	0-199.9 Ω in 0.1 Ω increments	0-199.99 Ω in 0.01 Ω increments
2k Ω Range and resolution	N/A	0-1.9999k Ω in 0.000k Ω increments
20k Ω Range and resolution	N/A	0-199.99k Ω in 0.01k Ω increments
Accuracy	$\pm 0.1\%$ of reading $\pm 0.01\Omega$ (20 Ω) $\pm 0.1\%$ of reading $\pm 0.1\Omega$ (200 Ω)	$\pm 0.05\%$ of reading ± 2 counts

Insulation Measurement

	TT1000A	TT1200A
200k Ω Range and resolution	N/A	0-199.9k Ω in 0.1k Ω increments
2M Ω Range and resolution	0-1.999M Ω in 1k Ω increments	0-1.999M Ω in 0.001M Ω increments
20M Ω Range and resolution	N/A	0-19.99M Ω in 0.01M Ω increments
200M Ω Range and resolution	N/A	0-200M Ω in 5M Ω increments
Accuracy	3% of reading $\pm 1\text{k}\Omega$	5% of reading ± 5 counts (200k Ω , 2M Ω , 20M Ω) 10% of reading ± 5 counts (200M Ω)
Excitation	45V	45V

Other Specifications

	TT1000A	TT1200A
System resistance range	Variable resistance between 2 Ω to 25 Ω	Variable resistance between 2 Ω to 25 Ω
Operating temperature	0 to 50°C	0 to 50°C