



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

### Insulation Measurement

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

### Other Specifications

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

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