



Model 7020H Compensated Current Transformer

*Single & Multiple Ranges
Highest Permeability
Wide Measurement Range
Negligible Current Errors
Low Burden
Low Uncertainties*

General Description:

The model 7020H series of Compensated Current Transformers use passive two stage compensated technology. The main advantage of a two stage compensated CT is that the effective burden is 0 when feeding into another compensated CT such as the current input on the model 2010A Wattmeter. As a result, the errors of the CT are effectively reduced to zero in both magnitude and phase. Lead length becomes unimportant and there is no further concern for any additional active components.

The model 7020H can be supplied as a single or multiple ratio device. Current transformers up to 5000 amps (5000:1 ratios) or as low as 100 amps can be supplied with 1 amp or 5 amp outputs. The housing consists of spun aluminum for proper shielding and strength.

The model 7020H was originally developed to be used in loss measurement systems where the accuracy over the full range was important. It is also suitable to be used as a standard current transformer for CT Test Sets or for measuring range extension for Tan Delta measurements of high capacitance values using the model 7010 series of capacitance bridges. All current transformers have a 50% over range capabilities.

Model 7020H

Specifications:

7020 - 2000

Nominal Ratio	Primary Current	Ratio Error	Phase Error
2000:1	2000 Amps	< ± 10 PPM	< ± 10 PPM
2000:1	1000 Amps	< ± 10 PPM	< ± 10 PPM
2000:1	500 Amps	< ± 10 PPM	< ± 10 PPM
2000:1	100 Amps	< ± 10 PPM	< ± 10 PPM
2000:1	50 Amps	< ± 10 PPM	< ± 10 PPM
2000:1	25 Amps	< ± 10 PPM	< ± 10 PPM
2000:1	10 Amps	< ± 20 PPM	< ± 10 PPM

7020 - 600

Nominal Ratio	Primary Current	Ratio Error	Phase Error
600:5	600 Amps	< ± 10 PPM	< ± 10 PPM
600:5	300 Amps	< ± 10 PPM	< ± 10 PPM
600:5	150 Amps	< ± 10 PPM	< ± 10 PPM
600:5	75 Amps	< ± 10 PPM	< ± 10 PPM
600:5	50 Amps	< ± 10 PPM	< ± 10 PPM
600:5	25 Amps	< ± 10 PPM	< ± 10 PPM
600:5	10 Amps	< ± 20 PPM	< ± 10 PPM

Dimensions:

Diameter 460 mm x D200 mm
(7020 - 2000)

Weight:

46 kg

Shipping Weight:

52 kg

Accessories:

7021 High Voltage Bushing

Operating Power:

NA

Distributed By:

How to Order:

Model: 7020H - Current Transformer

Data Subject to Change

Printed in Canada



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