

## Model 09311A

# 400 Amp Auxiliary Current Transformer



The Arbiter Systems®, Inc. Model 09311A 20:1 Auxiliary Current Transformer extends the outstanding accuracy, features, and performance of the Model 931A Power System Analyzer, the Model 930A Three Phase Power Analyzer, and the Model 929A Three Phase Power Meter by increasing the current input capability to 400 amperes. Due to the careful design of the Model 09311A Auxiliary CT, overall accuracy exceeds 0.1% of reading and 0.1° over the entire input current range of 1 to 400 amperes rms.

The Model 09311A input terminals have large 5/16 inch silicon-bronze cap screws to firmly connect your input signals. The output connections to the Model 931A are via two heavy-duty copper spade lugs, which connect directly to the Model 931A current input terminals. Due to the narrow profile of the Model 09311A's design, up to three Model 09311As may be simultaneously connected to the Model 931A's three current inputs, allowing three-phase measurements up to 400 amps.

The Model 931A's, Model 930A's, and Model 929A's SCALE function includes a selection that will enable the required 20:1 calibration factor to allow the instrument to display the actual current applied to the Model 09311A input. No conversion is necessary; it is performed automatically by the Model 931A's, Model 930A's and the Model 929A's microprocessors and automatically applied to all displayed results.

For ease of storage and accessibility, up to three (3) Model 09311A current transformers can attach to the transit case of the Model 931A, the Model 930A, or the Model 929A. The order number for the 400 Amp Auxiliary Current Transformer mounting bracket is AS0036000.

### I/O Capabilities

#### Input

Range	1 to 400 Arms
Terminals	20 mm dia. copper, with 5/16 in.-18 threaded silicon-bronze cap screws and phosphor-bronze starwasher

#### Output

Range	0.05 to 20 Arms
Accuracy	0.1% of reading (with Model 931A, Model 930A, or Model 929A)
Phase Angle	0.1°
Terminals	Attach directly to Model 931A, Model 930A, or Model 929A current inputs

### General

#### Physical

Size	51 x 63 x 63 mm (2.0 x 2.5 x 2.5 in.), plus terminals 51 x 80 x 92 mm (2.0 x 3.2 x 3.6 in.), overall
Weight	650 g (1.5 lbs)

#### Environmental

Temperature	Operating: -10° to +50° C Nonoperating: -40° to +75° C
Humidity	Noncondensing