



A30 Excitation Controller/AVR for Sale

New BRUSH type A30 Excitation controller/AVR complete.

The A30 Excitation controller was supplied by Brush for their complete range of brushless generators. It has been superseded by the A32.

These new AVR assemblies are in their original shipping boxes and have not been energized or connected. The carton includes extender card, build and test records including test point settings. Communication connection cables, HMI software CD and O&M Manual CD are also included.



BRUSH PRISMIC A30 excitation controller is designed to control the excitation of a brushless generator. Incorporating a wide range of features, the A30 is housed in a 19" rack assembly requiring only external instruments and control switches to provide the complete excitation system.

FEATURES:

Complete system housed in a single 19" 6U rack. Independent main and hot standby excitation channels. PC based set-up and maintenance software.

Communication port #1 for set-up and maintenance. Communication port #2 for SCADA communications. Choice of setpoint adjustment method.

- Voltage/MW/PF/VAR control operating modes
- Fast acting field current limiter
- Under excitation limiter
- Selectable standby system control mode
- Adjustable step response
- Soft start facility
- Over excitation limiter
- Over flux limiter
- Rotating diode failure alarm
- Event recorder



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Following is the generic description for the A30 excitation controller assembly.

RATINGS

Maximum continuous output current	20A
Maximum 10 second output current	30A
Excitation supply voltage	Single phase 110V to 330V
Excitation supply frequency	50Hz to 480Hz
Nominal sensing voltage	100V to 120V selectable in 5V steps
Control power supply	110 V dc
Voltage sensing phases	Three phase with single phase option
Nominal generator frequency	50Hz or 60Hz
Current transformer input nominal	5A or 1A selectable
Current transformer input burden	Less than 1VA
Load taken by sensing inputs	Less than 2VA
Voltage adjustment range	From +/- 10% to +/- 25% of nominal
Maximum field voltage for forcing	80% of the available single phase RMS supply voltage
Voltage adjustment range	Selectable from +/- 10% to +/- 25%
Accuracy of control	+/- 0.5%
Operating temperature range	0°C to +55°C
Storage temperature range	-40°C to +100°C

Dimensions	Width 483mm (19")
	Height 266mm (10.5")
	Depth 400mm (15.75")

Weight	14.5kg (32 lb)
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