

INFORMATION ONLY – DOES NOT COMMUNICATE
A MODIFICATION OR SAFETY CONDITION

E3242A-01

S E R V I C E N O T E

Supersedes:
NONE

E3242A - 4-Chnl Charge/Voltage/ICP Breakout Box **E3243A - 4-Chnl Mic/Voltage/ICP Breakout Box**

Serial Numbers: US00000000/US99999999

**E3242A and E3243A Break Out Boxes for the E1432A and E1433B VXI Modules
can over heat if adequate spacing is not provided.**

Parts Required:

P/N	Description	Qty.
NONE		

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

INFORMATION ONLY

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ADDITIONAL INFORMATION:

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Situation:

The rack mount kits for the E3242A and E3243A will allow the modules to be mounted with densities that can lead to inadequate thermal dissipation. The modules generate between 8.5 and 10.5 Watts depending on setting.

Solution/Action:

Providing adequate spacing for small numbers of modules can alleviate the problem. For higher numbers of modules it may be necessary to provide active ventilation (fan) to prevent ambient temperatures from becoming too high. For a stand alone unit the internal temperature may rise 35°C above ambient which makes a case temperature of 60°C for 25°C ambient. Add to this the effect of raising the internal temperature of the cabinet as much as 20°C if the cabinet had 20 modules in it (i.e. 200Watts of heating); the combined effect could create temperatures as high as 90°C inside the cabinet.

Some simple rules of thumb to avoid this problem: Never stack modules directly on top of each other. When mounting inside a cabinet allow for adequate ventilation between the rack mount panels (i.e. a minimum of 3 inches). Control the ambient temperature around the module not to exceed its specified temperature of 60°C.