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INSTRUCTIONS

MODEL AV-CTLX

TEST LOAD ADAPTER

FOR USE WITH AV-CLZ CABLES

SERIAL NUMBER: _____

WARRANTY

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Manual Reference: /fileserver1/officefiles/instructword/av-ctl/av-ctx,edition1.sxw.
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INTRODUCTION

The AV-CTLX test load adapter allows a user to connect a soldered load to the end of a user-supplied AV-CLZ-type cable, which is used with a variety of Avtech pulse generators.

The AV-CTLX test load adapter consists of a female DB-37 connector to which a small circuit board (8 x 50 mm x 1/16") is soldered. Pins 1-19 of the connector are soldered to the top side of the board, and pins 20-37 are soldered to the bottom side.

The DB-37 connector will mate to the end of a user-supplied AV-CLZ-type cable. The user may solder a load between the two sides of the 8 x 50 mm circuit board, as desired.

The -ENC option provides an aluminum enclosure to surround the load devices, for safety purposes. This option is recommended when high voltages will be present on the load.

This adapter is intended for use in research, development, test and calibration laboratories by qualified personnel.

SPECIFICATIONS

| | |
|---------------------|---|
| Model: | AV-CTLX |
| Load resistance: | Open circuit (as supplied by factory). The user may install the desired resistance by soldering to the output circuit board. |
| Max. pulse current: | 100A |
| Rise time: | < 5 ns |
| Maximum voltage: | Standard (open construction): 55V. With -ENC option (enclosed): 110V. |
| Connector: | DB-37 female. Pins 1-19 = signal, pins 20-37 = ground. |
| Temperature range: | +5°C to +40°C |

BASIC USAGE

The basic mechanical connection scheme for the AV-CTLX is shown below:

