

## DATAWAY TEST MODULE

MODEL DTM-299

### DESCRIPTION:

The DTM-299, Dataway Test Module is a hardware and/or software oriented diagnostic, test and display aid for trouble shooting within CAMAC.

Status and Dataway conditions can be seen at a glance, also computer controlled systems can run self diagnostics through to the dataway level. This may be used to increase the confidence level for system programming.

Two display modes are available, they are Track or Latch, and are selectable via the front panel switch located at the top of the panel. A third momentary contact on this same switch provides a manual LAM request. This is especially useful in testing crate and/or software LAM handling capability.

### FUNCTIONAL DESCRIPTION:

In the Track mode the display tracks the status of all dataway signals continuously, Status signals Strobe 1, Strobe 2, Busy, and LAM are displayed in a stretched, (200ms), manner. This allows them to be more easily observed.

In the Latch mode, the status signals Strobe 1, Strobe 2, Busy, and Lam are displayed as above. All other status, control signals and write data for the previous dataway operation are latched into registers for read back on command for system self diagnosis.

Initialize and Clear are latched at S2, all other signals are latched S1. Led display information will reflect the contents of the latched data.

Inhibit (I) on the dataway is a static signal and as such is displayed directly in either mode.

The position of the TRACK/LATCH switch (or state of I) can be read at any time with the Read Status command. (Read Bit 17) as a queue to move the switch to the latch position prior to running a self test diagnostic.

Major system voltages +6 and +24 are also displayed continuously by LED's on the bottom of the front panel.