

# SPECIFICATIONS

## GENERAL

**DISPLAY:** Seven 0.5" LED digits with decimal point, function and IEEE status annunciators.

**INTERNAL CLOCK:** Displays hours/minutes/seconds or date/month; less than 1 minute/month error (typical).

**BATTERY BACKUP:** Rechargeable 3.6V nickel-cadmium. 1 month retention of data with unit turned off.

**OPERATING ENVIRONMENT:** 0° to 50°C, 0% to 80% relative humidity up to 35°C.

**STORAGE ENVIRONMENT:** -25°C to 65°C.

**CONNECTORS:** Four BNC (TTL compatible): External Trigger, Alarm Out/Serial-In, Channel Ready, Serial Out.

**CAPACITY:** Ten plug-in cards per mainframe.

**EXPANSION CAPACITY:** Daisy chain allows up to 4 SLAVE units with 1 MASTER unit.

**SWITCHING RATE:** 100 channels/second (10ms), programmable to 1 channel/16 minutes (999.999s).

**RELAY DRIVE:** 4A minimum.

**POWER:** 90-125V or 195-250V (internally selected), 50Hz to 400Hz, 75V•A maximum.

**DIMENSIONS, WEIGHT:** 178mm high × 438mm wide × 448mm deep (7" × 17 1/4" × 17 3/8"). Net weight 8.6kg (19 lbs).

## ACCESSORIES AVAILABLE:

Model 7008-3: IEEE-488 Cable, 0.9m (3 ft.)

Model 7008-6: IEEE-488 Cable, 1.8m (6 ft.)

Model 7010: IEEE-488 Adapter for Model 85 Computer.

Model 7024-1: Triaxial Cable, 0.3m (1 ft.)

Model 7024-3: Triaxial Cable, 0.9m (3 ft.)

Model 7024-10: Triaxial Cable, 3.0m (10 ft.)

Model 7051-2: BNC to BNC Cable, 0.6m (2 ft.)

Model 7051-5: BNC to BNC Cable, 1.5m (5 ft.)

Model 7052: 4 × 5 Matrix Card

Model 7053: High Current Scanner Card

Model 7054: High Voltage Scanner Card

Model 7056: General Purpose Scanner Card

Model 7057A: Thermocouple Scanner Card

Model 7058: Low Current Scanner Card

Model 7059: Low Voltage Scanner Card

Model 7061: Universal Interface Card

Model 7068: Fixed Rack Mounting Kit for 706

Model 7069: Slide Rack Mounting Kit for 706

## IEEE-488 BUS IMPLEMENTATION:

**Multiline Commands:** DCL, LLO, SDC, GET, GTL, UNT, UNL, SPE, SPD.

**Uniline Commands:** IFC, REN, EOI, SRQ, ATN.

**Interface Functions:** SH1, AH1, T6, TE0, L4, LE0, SR1, RL1, PP0, DC1, DT1, C0, E1.

**Programmable Parameters:** Display Mode, Output Format, EOI, SRQ, First\_Last, Open, Close, Display Channel, Alternate Output, Pole Mode, Date Format, Save/Recall, Reset, I/O Port, Time, Date, Settle Time, Interval Time, Alarm Time, Program Mode, Trigger Mode, Terminator, Self Test.

**Digital I/O Port:** A separate edge connector consisting of eight input and eight output lines as well as common and +5VDC. Outputs will drive one TTL load. Inputs represent one TTL load. Mating connector supplied.

## FRONT PANEL PROGRAMS

- |                          |  |
|--------------------------|--|
| <b>0 - Digital I/O</b>   | Read or change state on digital I/O port.  |
| <b>1* - Date Format</b>  | Changes date display between MM.DD and DD.MM.  |
| <b>2* - Settle Time</b>  | Time to output CHANNEL READY pulse after closing relay.                                    |
| <b>3* - IEEE Address</b> | Set bus address; not programmable from bus.  |
| <b>4* - Save Setup</b>   | Stores present relay setup in buffers 1-75.  |
| <b>5* - Recall Setup</b> | Recalls relay setup in buffers 1-75.   |
| <b>6* - Poles</b>        | 1, 2, or 4-pole configuration for scanning (1-pole requires 7056). 0-pole for matrix card. |
| <b>7 - Alarm Time</b>    | Set time for Alarm output pulse; repeats daily.  |
| <b>8 - Self Test</b>     | Check RAM, ROM, LEDs.  |
| <b>90* - Stand Alone</b> | Single 706 configuration.  |
| <b>91* - Master</b>      | Daisy Chain configuration.   |
| <b>92* - Slave</b>       | Daisy Chain configuration.   |
| <b>93 - Inspect</b>      | Display closed relays only.  |
| <b>94 - Clear</b>        | Clear buffer location.   |
| <b>99 - Reset</b>        | Reset battery backup parameters to factory values.   |

\*Battery backed up.