

# Heads Up Display

## Model DSP4



The DSP4 is a real-time data display for use with Campbell Scientific dataloggers in vehicle testing applications. The DSP4's low-profile packaging permits dashboard mounting in a variety of vehicles without obstructing the driver's view. The DSP4 displays four measurements with user-defined labels and input ID numbers. Selection of displayed measurements can be changed quickly with push-button switches.

Eight backlit, push-button switches allow display of status conditions and/or control of datalogger functions. For example, the switches can be used to control conditional output or indicate programmed fault conditions. The DSP4 is designed around a two-line by forty-character, vacuum fluorescent display functional over a wide temperature range. The display is recessed in a black bezel to enhance readability in bright daylight.

### Features

- Displays any four of the datalogger's 254 measurement locations; nine-character labels can be assigned to the first 99 locations
- Status/control of datalogger's user flags with push-button, backlit switches
- Transfers datalogger programs and data to/from SM4M/16M Storage Modules or CSM1 Card Storage Modules
- Memory protected during loss of DSP4 primary power

### Specifications

Power requirements: 10.0 to 15.6 Vdc at 1 A

Operating Temperature Range: -40° to +80°C

Dimensions: 2.9"H, 12.9"L, 3.3"D;

Weight: 4 lbs.

Mounting: Single blind-threaded hole in each end panel ¼" x 20, 0.31" depth.

Compatible dataloggers include:

- CR510
- CR10(X)
- 21X
- CR23X
- CR5000 (DSP4 requires latest PROM)
- CR7 (units built prior to 6/85 require a 6303 CPU card)
- CR9000(X) (DSP4 requires latest PROM)



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