



## For real-time display of measured parameters

### Description

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.

### Specifications

Power requirements: 10.0 to 15.6V DC at 1A  
Operating Temperature Range: -40°C to +80°C  
Dimensions: 74 x 327 x 83mm  
Weight: 1.78kg  
Mounting: Single blind-threaded hole in each end panel ¼" x 20tpi, 0.31" depth.  
The DSP4 is compatible with all current Campbell Scientific dataloggers except the CR800, CR1000 and CR200.

### Key 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 Storage Modules for use with CR10X, CR23X and CR7 only

Memory protected during loss of DSP4 primary power

### Typical Measurements

Speed

Temperature

Pressure

Strain