Series 8000 Peak/Sample Hold Function

Specifications

Repeatability: ±0.2% FS
Droop: None (digital held)
Input Voltage: from standard input board
Output Voltage: 0-1V FS or 0-1.3V FS
Response Time: 50ms
Sample (Acquisition) Time: 100µs
Accuracy: (ROC) 0.25% FS
Stability: 0.05% FS/°C
Modes Available: Peak Hold, Valley Hold, Track Signal and Sample Signal
—all via external contact closure or 5V (TTL) High

For general specifications, see the Series 8000 manual, which provides information for the entire series.

Setup Procedure

I. Disassemble the Series 8000 unit as described on page 6 of the main manual
II. Remove the Peak/Sample Hold Function Board.
III. Set the pin jumper to select peak or valley operation.
IV. Reassemble the unit as described in the main manual, pages 4 to 6.
V. Calibrate the unit in Track mode.

Setup Instructions

Determine whether your application requires peak or valley hold. Set the pin jumper for peak or valley, as shown below. The selected mode is initiated via external contact closure (or 5V TTL high signal).

Note that once you have selected peak or valley hold, you may freely switch (by external contact closure) to and from the track and sample signal modes.

Calibration

Calibration of this board is not necessary. Perform calibration of your Series 8000 unit with this board in Track mode.

Peak/Sample Hold Function Board Part Locations