

REAL TIME ANALOG PEAK CAPTURE FOR PLUS, MINUS, MAX/MIN or TIR MEASUREMENTS - UTILIZING THE PROVEN SIGNAL CONDITIONING PERFORMANCE OF THE SERIES 3700 METERS.

The "P" option of the 3700 Series Meter is an added function card which provides the ability of the meter to capture and hold... + Peak, -Peak, Max-Min or TIR value that originates from the base 3700 instrument. Any 3700 (except Horsepower 3741) can accommodate the "P" option. Peak Mode signals are captured in real-time analog capacitive memory and are available for display and analog output monitoring. Only one of the following four separate modes may be configured for the Peak Capture operation. Reconfiguration is accomplished via the rear "dip" switch settings.

	+ PEAK	Captures and holds the most positive measurement signal in the positive quadrant
or	- PEAK	Captures and holds the most negative measurement signal in the negative quadrant
or	MAX + MIN	Captures and holds the sum of the MAXIMUM and MINIMUM signal values
or	TIR	Captures and holds the difference in the Positive and Negative Peak values only in the positive signal quadrant of the measurement

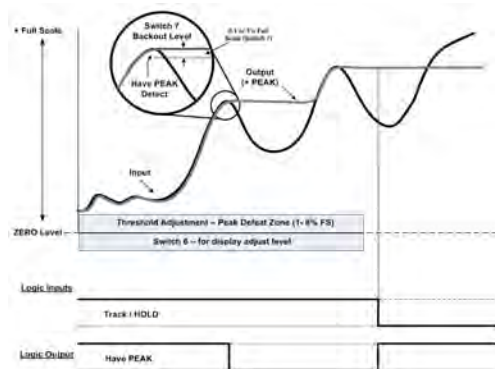
Peak functions are configured using the rear panel dip switches and connector terminals. User configured dip switch settings enables various features such as - the front panel TARE push button function, Peak Mode selection, Analog signal source of either the Fast or Select signal (filter rolloff) from the main 3700 unit, and Threshold detection levels for Have Peak Capture and logic triggering. Rear panel connector terminals are used for remote control using logic switches or PLC type I/O control to activate / reset meter functions. Logic I/O signals are also provided for Peak Arming and Clearing (tracking) of the Peak capture value, switching the display from Live to Peak, Have Peak output and front panel enabling of the TARE switch for Peak/Reset of the captured value. The resultant analog captured signal is available via the "PEAK" connector terminal on the rear panel of the unit.

3700 P option

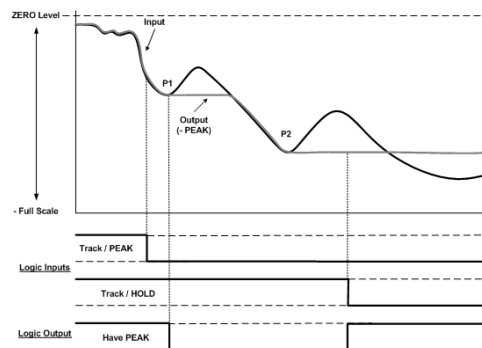
PEAK CAPTURE Option for 3700 Series

Operational Modes

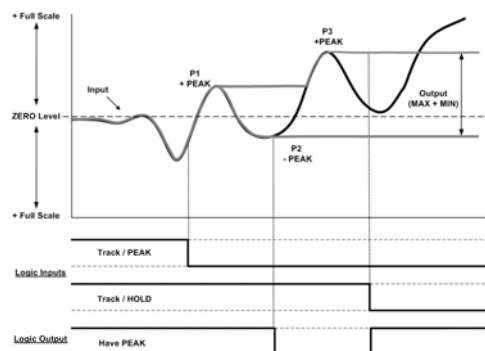
Plus Peak Mode



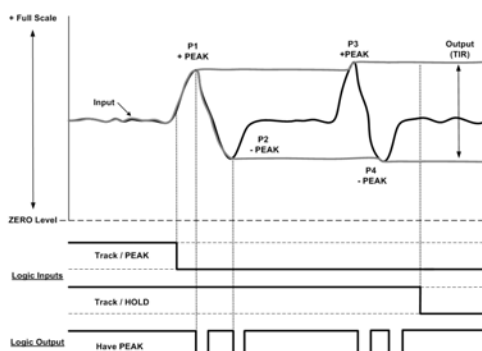
Negative Peak Mode



Maximum - Minimum Mode



TIR Mode



Rear Panel View - screw terminal connectors, provided

