

## Performance Features

The standard accuracy for a Pearson Current Monitor is within +1%, -0% of the nominal sensitivity. This accuracy applies to the midband response. Exceptions due to droop and monitor rise-time (low and high frequency cut-off) are particular to each model and are treated separately in the specification sheet. Rise time is short, ranging between 1 and 100 nanoseconds (10-90% levels) in most cases. Droop values range from 0.1% per microsecond to 0.5% per millisecond for typical models. A significant advantage, of course, is the fact that the current monitor is physically isolated from the circuit under test.

This feature is invaluable for eliminating ground currents which usually occur when using current-viewing resistors. Another advantage is that low sensitivity can be used without suffering from the ringing commonly encountered with viewing resistors.