

The specification related to **time constant** in the counter instruction manual is specified as **response time** – 10% to 90% of final reading.

**Included are a few time constants from five Ludlum Instruments.**

<b>MODEL#</b>	<b>FAST</b>	<b>SLOW</b>
M 177	0.86 Sec. (0.015 Min.)	9.5 Sec. (0.16 Min.)
M 2, 3, & 12	1.8 Sec. (0.03 Min.)	10.3 Sec. (0.17 Min.)
M 2221	1.8 Sec. (0.03 Min.)	9.6 Sec. (0.16 Min.)
M 14C,16,&18	1.8 Sec. (0.03 Min.)	10.3 Sec. (0.17Min.)

Most other Microprocessor based instruments have a time constant that is dependent on the incoming count rate or selectable by changing Eprom, therefore we will deal with those as they come up.

**MODEL 9**

X1 RANGE	1.8 Sec. (0.03 Min.)
X10	1.2 Sec. (0.02 Min.)
X100	0.8 Sec. (0.014 Min.)
X1000	0.8 Sec. (0.014 Min.)