

## NIM ELECTRONIC MODULES

### COUNTERS, TIMERS, AND RATEMETERS

#### 441 Ratemeter

The 441 is a highly accurate, stable, and reliable linear-count ratemeter. A standard deviation error switch allows a choice of the fastest possible time response consistent with the required accuracy. Eight ranges of input counting rates, from 50 to 100,000 counts/s, can be accepted. The output span for a recorder is adjustable over a wide range.

**NONLINEARITY**  $< \pm 0.5\%$  of full scale.

**TEMPERATURE STABILITY**  $> \pm 0.05\%$  of full scale per day at constant temperature.

**TEMPERATURE COEFFICIENT**  $\pm 0.05\%$  of full scale per  $^{\circ}\text{C}$ , 0 to  $50^{\circ}\text{C}$ .

**INPUTS** Accept  $\pm 2\text{-V}$  (minimum) pulses to operate;  $\pm 100\text{-V}$  maximum pulse amplitude;  $\pm 30\text{-V}$  maximum average; minimum width, 200 ns;  $Z_{in}$ ,  $\sim 2500\Omega$ , dc-coupled.

**RECORDER OUTPUT** For connection to recorder; adjustable from 0 to 100 mV.

**METER** 2-in.-edge reading meter with 2% meter movement.

