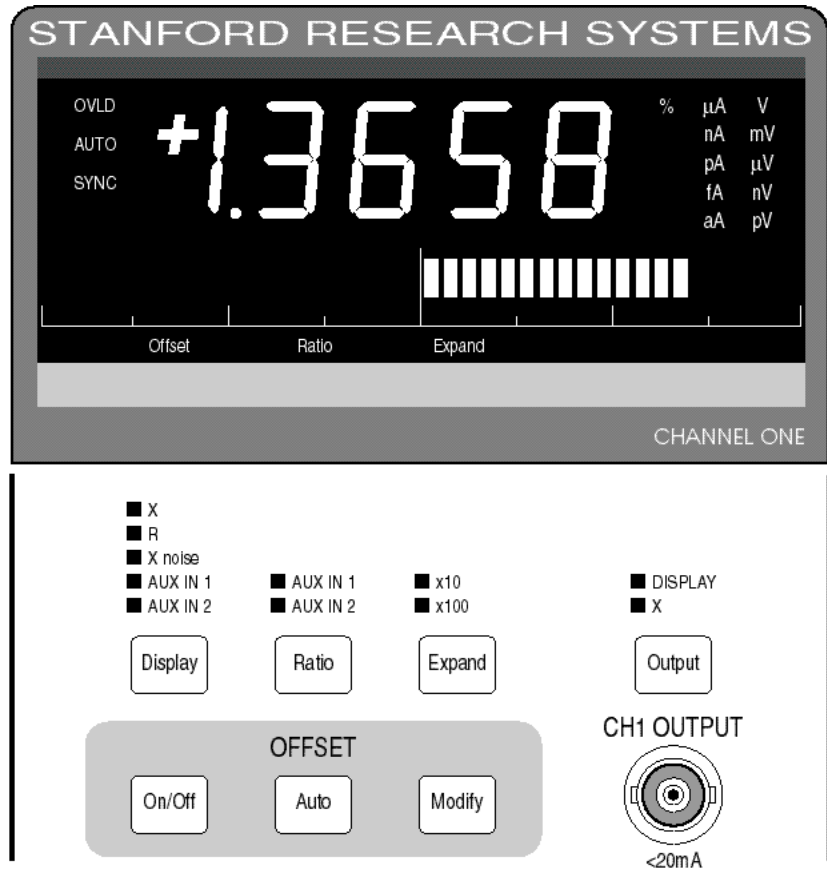


## CH1 Display and Output



### [Display]

This key selects the Channel 1 display quantity. Channel 1 may display X, R, X Noise, Aux Input 1 or Aux Input 2. The numeric display has the units of the input signal. The bar graph is  $\pm$ full scale sensitivity for X, R and X Noise, and  $\pm 10V$  for the Aux Inputs. Ratio displays are shown in % and the bar graph is scaled to  $\pm 100\%$ . See the SR830 Basics section for a complete discussion of scaling.

### OUTPUT OVLD

The OVLD led in the display indicates that the Channel 1 output is overloaded (greater than 1.09 times full scale). This can occur if the sensitivity is too low or if the output is expanded such that the output voltage would exceed 10V.

### AUTO

This indicator is turned while an auto function is in progress.

### SYNC

When the synchronous output filter is selected AND the detection frequency is below 200 Hz, then the SYNC indicator will be on. If the detection frequency is above 200 Hz, synchronous filtering is not active and SYNC is off.

### [Ratio]

This key selects ratio measurements on Channel 1. The Channel 1 display may show X, R, X Noise, Aux Input 1 or Aux Input 2 divided by Aux Input 1 or 2. The denominator is indicated by the AUX IN leds above this