

WARNING MESSAGES

The SR830 displays various warning messages whenever the operation of the instrument is not obvious. The two tone warning alarm sounds when these messages are displayed.

<u>Display</u>	<u>Warning Message</u>	<u>Meaning</u>
LOCL LOut	LOCAL LOCKOUT	If the computer interface has placed the unit in the REMOTE state, indicated by the REMOTE led, then the keys and the knob are disabled. Attempts to change the settings from the front panel will display this message.
IGAn chG	IGAIN CHANGE	Indicates that the current conversion gain has been changed to 1 M Ω as a result of changing the sensitivity. Sensitivities from 20 nA to 1 μ A require 1 M Ω current gain.
tc chnG	TC CHANGE	Indicates that the time constant has been changed, either by increasing the detection frequency from below 200 Hz to above 200 Hz, or by changing the sensitivity, dynamic reserve, filter slope, or expand.
hAr ovEr	HARMONIC OVER	An attempt to increase the harmonic detect frequency above 102 kHz will display this message.
tc ovEr	TC OVER	Indicates that the time constant is too long (>1s) for Auto Gain to run.
PhAS bAd	PHASE BAD	Indicates that the phase is unstable and Auto Phase will not run.
rcal dAtA Err	RECALL DATA ERR	This message is displayed if the recalled setup is not valid. This is usually because a setup has never been saved into the selected buffer.
undr	UNDR	Indicates unit may not be precisely locked at very low frequency.