

REFERENCE and PHASE COMMANDS

PHAS (?) {x}	The PHAS command sets or queries the reference phase shift. The parameter x is the phase (real number of degrees). The PHAS x command will set the phase shift to x. The value of x will be rounded to 0.01°. The phase may be programmed from $-360.00 \leq x \leq 729.99$ and will be wrapped around at $\pm 180^\circ$. For example, the PHAS 541.0 command will set the phase to -179.00° ($541-360=181=-179$). The PHAS? queries the phase shift.
FMOD (?) {i}	The FMOD command sets or queries the reference source. The parameter i selects internal (i=1) or external (i=0).
FREQ (?) {f}	<p>The FREQ command sets or queries the reference frequency. The FREQ? query command will return the reference frequency (in internal or external mode).</p> <p>The FREQ f command sets the frequency of the internal oscillator. This command is allowed only if the reference source is internal. The parameter f is a frequency (real number of Hz). The value of f will be rounded to 5 digits or 0.0001 Hz, whichever is greater. The value of f is limited to $0.001 \leq f \leq 102000$. If the harmonic number is greater than 1, then the frequency is limited to $ixf \leq 102$ kHz where n is the harmonic number.</p>
RSLP (?) {i}	The RSLP command sets or queries the reference trigger when using the external reference mode. The parameter i selects sine zero crossing (i=0), TTL rising edge (i=1), , or TTL falling edge (i=2). At frequencies below 1 Hz, the a TTL reference must be used.
HARM (?) {i}	The HARM command sets or queries the detection harmonic. This parameter is an integer from 1 to 19999. The HARM i command will set the lock-in to detect at the i^{th} harmonic of the reference frequency. The value of i is limited by $ixf \leq 102$ kHz. If the value of i requires a detection frequency greater than 102 kHz, then the harmonic number will be set to the largest value of i such that $ixf \leq 102$ kHz.
SLVL (?) {x}	The SLVL command sets or queries the amplitude of the sine output. The parameter x is a voltage (real number of Volts). The value of x will be rounded to 0.002V. The value of x is limited to $0.004 \leq x \leq 5.000$.