

DATA STORAGE	<u>page</u>	<u>description</u>
SRAT (?) {i}	5-13	Set (Query) the DataSample Rate to 62.5 mHz (0) through 512 Hz (13) or Trigger (14).
SEND (?) {i}	5-13	Set (Query) the Data Scan Mode to 1 Shot (0) or Loop (1).
TRIG	5-13	Software trigger command. Same as trigger input.
TSTR (?) {i}	5-13	Set (Query) the Trigger Starts Scan mode to No (0) or Yes (1).
STRT	5-13	Start or continue a scan.
PAUS	5-13	Pause a scan. Does not reset a paused or done scan.
REST	5-14	Reset the scan. All stored data is lost.
DATA TRANSFER	<u>page</u>	<u>description</u>
OUTP? i	5-15	Query the value of X (1), Y (2), R (3) or (4). Returns ASCII floating point value.
OUTR? i	5-15	Query the value of Display i (1,2). Returns ASCII floating point value.
SNAP? i,j,{k,l,m,n}	5-15	Query the value of 2 thru 6 paramters at once.
OAUX? i	5-16	Query the value of Aux Input i (1,2,3,4). Returns ASCII floating point value.
SPTS?	5-16	Query the number of points stored in Display buffer.
TRCA? i,j,k	5-16	Read k 1 points starting at bin j 0 from Display i (1,2) buffer in ASCII floating point.
TRCB? i,j,k	5-16	Read k 1 points starting at bin j 0 from Display i (1,2) buffer in IEEE binary floating point.
TRCL? i,j,k	5-17	Read k 1 points starting at bin j 0 from Display i (1,2) buffer in non-normalized binary floating point.
FAST (?) {i}	5-17	Set (Query) Fast Data Transfer Mode On (1 or 2) or Off (0). On will transfer binary X and Y every sample during a scan over the GPIB interface.
STRD	5-18	Start a scan after 0.5sec delay. Use with Fast Data Transfer Mode.
INTERFACE	<u>page</u>	<u>description</u>
*RST	5-19	Reset the unit to its default configurations.
*IDN?	5-19	Read the SR830 device identification string.
LOCL(?) {i}	5-19	Set (Query) the Local/Remote state to LOCAL (0), REMOTE (1), or LOCAL LOCKOUT (2).
OVRM (?) {i}	5-19	Set (Query) the GPIB Override Remote state to Off (0) or On (1).
TRIG	5-19	Software trigger command. Same as trigger input.
STATUS	<u>page</u>	<u>description</u>
*CLS	5-20	Clear all status bytes.
*ESE (?) {i} {,j}	5-20	Set (Query) the Standard Event Status Byte Enable Register to the decimal value i (0-255). *ESE i,j sets bit i (0-7) to j (0 or 1). *ESE? queries the byte. *ESE?i queries only bit i.
*ESR? {i}	5-20	Query the Standard Event Status Byte. If i is included, only bit i is queried.
*SRE (?) {i} {,j}	5-20	Set (Query) the Serial Poll Enable Register to the decimal value i (0-255). *SRE i,j sets bit i (0-7) to j (0 or 1). *SRE? queries the byte, *SRE?i queries only bit i.
*STB? {i}	5-20	Query the Serial Poll Status Byte. If i is included, only bit i is queried.
*PSC (?) {i}	5-20	Set (Query) the Power On Status Clear bit to Set (1) or Clear (0).
ERRE (?) {i} {,j}	5-20	Set (Query) the Error Status Enable Register to the decimal value i (0-255). ERRE i,j sets bit i (0-7) to j (0 or 1). ERRE? queries the byte, ERRE?i queries only bit i.
ERRS? {i}	5-20	Query the Error Status Byte. If i is included, only bit i is queried.
LIAE (?) {i} {,j}	5-20	Set (Query) the LIA Status Enable Register to the decimal value i (0-255). LIAE i,j sets bit i (0-7) to j (0 or 1). LIAE? queries the byte, LIAE?i queries only bit i.
LIAS? {i}	5-20	Query the LIA Status Byte. If i is included, only bit i is queried.