Category	Command name	Command syntax	Description
Basic	LED state	EC,L,%s	Turn LED on or off or check state. 1=on, 0=off, ?=check
Basic	Find blink	EC,FIND	Cause white LED to blink rapidly. Any following command will terminate find mode.
Basic	Name probe circuit	EC,NAME,%s	Name the device. Any string up to 16 ASCII characters. ?=check name
Basic	Get info	EC,I	Get device information. Returns deviceType,firmwareVersion
Basic	Get status	EC,STATUS	Read device status. Returns reason for last restart (P=powered off, S=software reset, B=brown out, W=watchdog, U=unknown), and voltage at Vcc pin
Basic	Set baud	EC,BAUD,%s	Change baud rate. N=baud rate, ?=check baud rate
Basic	Lock protocol	EC,PLOCK,%s	Lock/unlock communications protocol. 1=Lock protocol, 0=unlock protocol, ?=check protocol lock state
Basic	Factory reset	EC,FACTORY	Factory reset. Clears calibration, LED settings
Basic	LED state	TEMP,L,%s	Turn LED on or off or check state. 1=on, 0=off, ?=check
Basic	Find blink	TEMP,FIND	Cause white LED to blink rapidly. Any following command will terminate find mode.
Basic	Name probe circuit	TEMP,NAME,%s	Name the device. Any string up to 16 ASCII characters. ?=check name
Basic	Get info	TEMP,I	Get device information. Returns deviceType,firmwareVersion
Basic	Get status	TEMP,STATUS	Read device status. Returns reason for last restart (P=powered off, S=software reset, B=brown out, W=watchdog, U=unknown), and voltage at Vcc pin
Basic	Set baud	TEMP,BAUD,%s	Change baud rate. N=baud rate, ?=check baud rate
Basic	Lock protocol	TEMP,PLOCK,%s	Lock/unlock communications protocol. 1=Lock protocol, 0=unlock protocol, ?=check protocol lock state
Basic	Factory reset	TEMP,FACTORY	Factory reset. Clears calibration, LED settings
Calibration	Calibrate sensor	EC,CAL,%s,%s	Calibrate sensor. Step 1: dry, step 2: low,N (N=conductivity), step3: high,N. Also, ?=check calibration, clear=delete calibration, N=single point calibration
Calibration	Export calibration	EC,EXPORT,%s	Export calibration. no param=export, ?=check data size of calibration export data
Calibration	Import calibration	EC,IMPORT,%s	Import calibration. To correctly import, must repeat this command enough times to send all the calibration strings in. Example: 65 20 61 20 63 6F
Calibration	Set temp comp	EC,T,%s	Set the temperature compensation value. Must be reset after power loss. N=temperature in celsius, ?=current temp compensation value
Calibration	Set temp comp+read	EC,RT,%s	Set the temperature compensation value then take a reading. Must be reset after power loss. N=temperature in celsius, ?=current temp compensation value
Calibration	Calibrate sensor	TEMP,CAL,%s	Calibrate sensor. t=any temperature, clear=delete calibration, ?=check if calibrated
Calibration	Export calibration	TEMP,EXPORT,%s	Export calibration. no param=export, ?=check data size of calibration export data
Calibration	Import calibration	TEMP,IMPORT,%s	Import calibration. To correctly import, must repeat this command enough times to send all the calibration strings in. Example: 65 20 61 20 63 6F
Logfile	Get SD card data	ARD,DUMPDATA,%s	Tell arduino to dump last N lines of data stored on the SD card to the serial port. Leave N blank for all data.
Logfile	Clear SD card data	ARD,CLEARDATA,%s	CAREFUL! DATA LOSS! Tell arduino to clear all but the last N lines of data stored on the SD card. Leave N blank to clear all data.
Logfile	Start new log file	ARD,STARTFILE,%s	Start new log file on SD card by archiving old file. Argument is name to use to archive old file.
Logfile	Log note	ARD,NOTE,%s	Log a note in the datafile. Argument is the text of the note.
Measurement	Cont. meas.	EC,C,%s	Continuous reading mode. N=one reading every N seconds(1-99), 0=disable, ?=check
Measurement	Single measurement	EC,R	Take a single reading
Measurement	Cont. meas.	TEMP,C,%s	Continuous reading mode. N=one reading every N seconds(1-99), 0=disable, ?=check
Measurement	Single measurement	TEMP,R	Take a single reading
Measurement	Cont. meas. mode	ARD,C,%s	Change continuous measurement state. 0=no continous measuring, N=measurement every N milliseconds, ?=check continuous measurement state
Measurement	Single shot mode	ARD,SSM,%s	Change single shot measurement mode - boot, measure, signal ready for power down. 0=off, 1=on, ?=check single shot mode
Measurement	Measure and log	ARD,M	Take a full measurement and log to the data file.
Measurement	Take sample	SAMP,SAMPLE,%s	Take a water sample if argument is 1. 0=reset sample record ?=has sample been retrieved?
Memory	Enable data logger	TEMP,D,%s	Enable/disable data logger and set logging interval. n=log every nx10 seconds, 0=disable, ?=Check current data logging status/interval
Memory	Memory recall	TEMP,M,%s	Recall logged readings. No param=last stored reading, all=all readings in CSV string, ?=memory location of last stored reading, clear=clear all stored memory
Mode	Set probe type	EC,K,%s	Set the probe type to match connected probe. N=probe type (0.1, 1.0, or 10), ?=check set probe type
Mode	Enable meas. outputs	EC,O,%s,%s	Enable/disable measurement outputs. EC,N=conductivity enable(1)/disable(0), similarly for TDS (total dissolved solids), S (salinity), SG (specific gravity), and ?=check enable status
Mode	Response mode	EC,*OK,%s	Response code mode. 1=enable response, 0=disable response, ?=check response code mode
Mode	Sleep mode	EC,SLEEP	Enter low power sleep mode. Any command will wake. Standby = 18 mA, sleep = 0.7 mA
Mode	I2C protocol	EC,I2C,%s	Change to I2C communication protocol and reboot. N=I2C address
Mode	Set temp scale	TEMP,S,%s	Set temperature scale. c=celsius, k=kelvin, f=fahrenheit, ?=check current temperature scale
Mode	Response mode	TEMP,*OK,%s	Response code mode. 1=enable response, 0=disable response, ?=check response code mode
Mode	Sleep mode	TEMP,SLEEP	Enter low power sleep mode. Any command will wake. Standby = 15.4 mA, sleep = 0.4 mA
Mode	I2C protocol	TEMP,I2C,%s	Change to I2C communication protocol and reboot. N=I2C address
Mode	EC probe sleep	ARD,EC_SLEEP	Tell the EC probe to go to sleep, for power savings. Send any command to the EC probe to wake it again.
Mode	TEMP probe sleep	ARD,TEMP_SLEEP	Tell the TEMP probe to go to sleep, for power savings. Send any command to the TEMP probe to wake it again.
Mode	Arduino sleep mode	ARD,ARD_SLEEP,%s	Set or check arduino sleep mode. 1=on, 0=off, ?=check
Mode	Signal for power down	ARD,PWRDOWN	Signal
Mode	Restore default settings	ARD,DEFAULTS	Restore default settings. This will set current settings to default, and will update settings file on disk to defaults.
Mode	Print current settings	ARD,PRINTSETTINGS	Print current settings to serial port.
Mode	Control sample valve	SAMP,VALVE,%s	Open or close sample valve. 1=open, 0=close
Status	Connection status	ARD,CONNECT,%s,%s	Get or check connection status. First arg is EC/TEMP/SD to check conductivity probe / temp probe / SD card, second argument is CONNECT/DISCONNECT/? to connect, disconnect, or check connection status
Time	Get millis	ARD,MILLIS	Get current value of Arduino millisecond timer
Time	Timestamp	ARD,TIMESTAMP,%s,%s	Adjust or check arduino time. Arduino keeps track of real time using embedded RTC on datalogger shield. ?=check current arduino time S=set time with argument YEAR,MONTH,DAY,HOUR,MIN,SEC