

Command Instructions and List

- Input commands in upper or lower case letters and register commands by pressing Enter key.
 - MicroCAT sends an error message if invalid command is entered.
 - If system does not return S> prompt after executing a command, press Enter key to get S> prompt.
 - If new command is not received within 2 minutes after completion of a command, MicroCAT returns to quiescent (sleep) state.
 - If in quiescent (sleep) state, re-establish communications by selecting Connect in SeatermIM's Communications menu.
- Shown below are the commands used most commonly in the field. See the Manual for complete listing and detailed descriptions.

FUNCTION	CATEGORY	COMMAND	DESCRIPTION
SIM Commands	Power-On	PwrOn	Send wakeup tone to all IMs.
		PwrOff	Send power off command to all IMs. Logging and memory retention unaffected.
		AutoPwrOn=x	x=Y: Send PwrOn to IMs when power applied to SIM. x=N: do not.
	Status	DS	Display SIM firmware version and status.
	Communications	Baud=x	x= baud from SIM to computer (1200, 2400, 4800, or 9600). Default 9600.
		DataNNMax=x	x= timeout that applies to Dataii ; default 1000 milliseconds.
		RelayMax=x	x= timeout that applies to all other commands; default 20 seconds.
		EchoOn	Echo characters received from computer.
	EchoOff	Do not echo characters received from computer.	
MicroCAT Communications Microcontroller Commands (ii = MicroCAT ID)	Global	DateTime=mmddyyyyhhmmss	Set all real-time clocks: month day year hour minute second.
		ResumeLogging	Simultaneously command all MicroCATs to start logging.
		GData	Command all communication microcontrollers to get average data from acquisition units, hold in buffer, and start next averaging cycle.
		StayOn	Command all MicroCATs to reset counting for 2-minute timeout.
	Get data	!iiData or Dataii	Get data obtained with GData from MicroCAT with ID=ii.
	MicroCAT ID	ID?	Get MicroCAT ID (0-99).
		*ID=ii	Set ID to ii (ii=0-99). Only 1 MicroCAT can be on line. Must be sent twice.
	Firmware	!iiGetHD	Get and display hardware data.
!iiDS		Display MicroCAT communication microcontroller firmware version.	
MicroCAT Acquisition Microcontroller Commands (ii = MicroCAT ID)	Status	#iiGetCD	Get and display configuration data.
		#iiGetSD	Get and display status data.
		#iiGetCC	Get and display calibration coefficients.
		#iiGetEC	Get and display event counter data.
		#iiResetEC	Reset event counter.
		#iiGetHD	Get and display hardware data.
		#iiDS	Display status.
	General Setup	#iiDC	Display calibration coefficients.
		#iiDateTime=mmddyyyyhhmmss	Set real-time clock month day year hour minute second.
		#iiBaudRate=x	x= baud rate (600, 1200, 2400, 4800, 9600, 19200, 38400, 57600, 94 115200) for communicating in Serial Mode (through internal RS-232 connector).
		#iiOutputExecutedTag=x	x=Y: output XML Executed and Executing tags. x=N: do not.
		#iiReferencePressure=x	x = reference pressure (decibars) (for MicroCAT without pressure sensor).
	Memory Setup	QS	Place MicroCAT in quiescent (sleep) state; for use in Serial mode only.
		#iiInitLogging	Initialize logging, setting memory pointer to 0.
	Output Format Setup	#iiSampleNumber=x	x= sample number for first sample when logging begins.
		#iiOutputFormat=x	x=1: output converted decimal data. x=2: output converted data, alternate format. x=3: output raw decimal data. x=4: output converted decimal data, XML.
		#iiCompatibleMode=x	x=Y: Output data compatible with firmware < 3.0. x=N: do not.
	Autonomous Sampling (logging)	#iiTxSampleNum=x	x=Y: Output sample number with data. x=N: do not.
		#iiSampleInterval=x	x = interval between samples (6 – 21,600 seconds).
		#iiStartNow	Start logging now. Data stored in FLASH memory.
		#iiStartDateTime=mmddyyyyhhmmss	Delayed logging start: month day year hour minute second.
		#iiStartLater	Start logging at delayed start time. Data stored in FLASH memory.
		#iiStop	Stop logging or waiting to log.
		#iiTS	Take sample, output data.
	Polled Sampling (data not stored in FLASH memory unless noted; format specified by #iiOutputFormat= unless noted)	#iiTSR	Take sample, output raw data.
		#iiTSH	Take sample, do not output data.
		#iiTSS	Take sample, store in FLASH memory , output data.
		#iiTSn:x	Take x samples and output data.
		#iiSL	Output last sample.
		#iiSLT	Output data from last sample, then take new sample.
		#iiSLTR	Output raw data from last sample, then take new sample.
	Data Upload	#iiDNx	Upload last x scans from memory; can send while logging
#iiGetSamples:b,e		Upload data from scan b to e . Send #iiStop before sending.	
#iiDDb,e		Upload data from scan b to e . Send #iiStop before sending.	