



1	Unit of measurement
2	State of outputs OUT1 OUT2 OUT3 OUT4
3	Controller function states: * man = manual/automatic (off=automatic control,on = manual control); * rem = remote setpoint enabled
4	Selects Auto or Manual control from the home screen. pressing the key returns you to the previous menu item or to the higher menu level, as appropriate. hold for 2 seconds to return to the main menu
5	Navigate through user menu (see options below)
6	Probe test and burnoff key
7	Up / down key
8	Hold for more than 2 seconds to enter Configuration Menus. Navigates among controller menus and parameters. Confirms parameter value, and selects next parameter
9	Key pressed signals
10	Displays percentage of power output
11	Display of percentage of process variable and of setpoint
12	Parameters, diagnostics and alarm messages.
13	setpoint display: parameter values. configurable with parameter ds.sp (default = setpoint).
14	pv display = process variable

Button Press	Menu Option
Carb.Status	Temp / mV Status
CLEA	Clear Carbon Alarms
B.FREQ	Burnoff Freq. minutes
IN3	Probe mV
IN1	Probe T/C
COF / H2F	Carbon or H2 Factor
IMPED	Probe impedance
D.RECO	Diagnoses Recovery Time
D.FR.TE	Diagnoses Frozen Probe Temp
ALRM3	Alarm 3 SP
DIA.D	Last Diagnoses test
B.AUT.C	Time to next B0 Hrs.Min
B.FORB	Burnoff forbidden time Hrs. Min

NOTE:

IP Address changes made to the AC50 will not take effect until a power cycle is performed.

A/M	Selects Auto or Manual control from the home screen. Pressing the key returns you to the previous menu item or the higher menu level, as appropriate. Hold for 2 seconds to return to the Main menu.
FUN	Navigate through user menu
TST	TST+A/M = start burnoff TST + FUN = start probe test
△	Press to raise the value of the displayed parameter. Hold to progressively increase the speed of raising the displayed parameter.
▽	Press to enter a submenu or to reduce the value of the displayed parameter, as appropriate. Hold to progressively increase the speed of reduction of the displayed parameter.
MEN	Hold for 2 seconds to enter the configuration menus. Navigates among controller menus and parameters, confirms parameter value and selects next parameter.

TO CHANGE PROCESS SETPOINT

when device is in auto control, press △ or ▽ until desired setpoint is reached.
in manual mode, change the power output using the up or down arrow

TO CHANGE CO FACTOR:

Press FUN key to cycle user menu until the COF parameter is displayed
Adjust the parameter with △ or ▽
Press FUN key to confirm selection
Hold A/M key to return to home screen or let device return home after 15 seconds

TO CHANGE H2 FACTOR:

Press FUN key to cycle user menu until the H2F parameter is displayed
Adjust the parameter with △ or ▽
Press FUN key to confirm selection
Hold A/M key to return to home screen or let device return home after 15 seconds

TO CHANGE BURNOFF TIMER AND FREQUENCY:

Hold MEN button until display shows PASSQ
Enter quickmenu password if set (SSi default password = 5)
Press MEN button to cycle parameters until B.TIME is reached
Use arrow keys to adjust time (units are in seconds)
Press MEN key to confirm selection and advance to B.FREQ parameter
Use arrow keys to adjust time (units are in seconds)
Press MEN key to confirm selection
Hold A/M to return home

TO PERFORM A PROBE BURNOFF

From the home screen, press FUN button once to reach carbon state menu
Simultaneously press the TST and A/M buttons, burnoff will be initiated if there are no inhibiting factors. Probe burnoff can be canceled by holding △ and ▽ simultaneously.

TO PERFORM A PROBE DIAGNOSTIC

from the home screen, press FUN button once to reach carbon state menu
simultaneously press the TST and FUN buttons, probe test will be initiated if there are no inhibiting factors. Diagnostic can be canceled by holding △ and ▽ simultaneously.

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TO ENTER QUICK SETUP MENU:

Hold MEN button until display shows PASSQ

Use \triangle or ∇ to enter password if set (SSi default password = 5)

Press MEN button again to enter menus.

Continue pressing MEN to cycle through menu options.

To exit menu, hold A/M until home screen appears,

or press MEN to cycle through menu options to return to the home screen.

PARAMETER	DESCRIPTION
TYPE_1	shows and sets thermocouple type for main input
F.OUT_1	shows and sets the function of output 1
F.OUT_2	shows and sets the function of output 2
F.OUT_3	shows and sets the function of output 3
F.OUT_4	shows and sets the function of output 4
TYPE_1	shows and sets the function of analog output 1
FUNC_1	shows and sets the function assigned (retransmission of values) to analog output 1
TYPE_2	shows and sets the function of analog output 2
FUNC_2	shows and sets the function assigned (retransmission of values) to analog output 2
H.PB_1	shows and sets the proportional heating band
H.IT_1	shows and sets the integral heating time
H.DT_1	shows and sets the derivative heating time
C.PB_1	shows and sets the proportional cooling band
C.IT_1	shows and sets the integral cooling time
C.DT_1	shows and sets the derivative cooling time
B.TIME	shows and sets the duration in seconds of the air blowing phase during a burnoff
B.FREQ	shows and sets the automatic burnoff repetition frequency in minutes
D.FREQ	shows and sets the frequency of automatic diagnostics repetition, in minutes
STAT_3	shows and sets the state of the digital input
CODE	shows and sets the identifying code of the controller in a modbus serial network
KBAU	shows and sets the communication speed for the serial port.
PAR	shows and sets the parity used in serial communication.
IP.AD1	shows the ip 1 address identifying the controller in an ethernet network. the parameter is the first field in the complete ip address (xxx.xxx.xxx.xxx)
IP.AD2	shows the ip 2 address identifying the controller in an ethernet network. the parameter is the second field in the complete ip address (xxx.xxx.xxx.xxx).
IP.AD3	shows the ip 3 address identifying the controller in an ethernet network. the parameter is the third field in the complete ip address (xxx.xxx.xxx.xxx).
IP.AD4	shows the ip 4 address identifying the controller in an ethernet network. the parameter is the fourth field in the complete ip address (xxx.xxx.xxx.xxx).
SUB.M1	shows the subnet mask 1 identifying the controller in an ethernet network. the parameter is the first field in the complete subnet mask (xxx.xxx.xxx.xxx).
SUB.M2	shows the subnet mask 2 identifying the controller in an ethernet network. the parameter is the second field in the complete subnet mask (xxx.xxx.xxx.xxx).
SUB.M3	shows the subnet mask 3 identifying the controller in an ethernet network. the parameter is the third field in the complete subnet mask (xxx.xxx.xxx.xxx).
SUB.M4	shows the subnet mask 4 identifying the controller in an ethernet network. the parameter is the fourth field in the complete subnet mask (xxx.xxx.xxx.xxx).
IP.E.	Current IP address

Hold MEN button until display shows the desired menu (PASS1 or PASS2)
Use \triangle or ∇ to enter password if set (SSi default password = 5)
Press MEN button again to enter menus.

NOTE:
Reference the AC50 Manual for detailed explanation of these fields and parameters.

Continue pressing MEN to cycle through menu options.

- MENUS UNDER PASS1**
- INFO
 - INFO ETHERNET
 - INFO CARBON POTENTIAL
 - CP SET
 - BURNOFF SET
 - PROBE DIAGNOSTIC SET
 - ANALOG INPUTS
 - ALARM
 - PID

After the final PASS1 menu option, you will be prompted to enter the password to access PASS2 options.
Use \triangle or ∇ as above. (SSi default password = 5)

Continue pressing MEN to cycle through menu options.

- MENUS UNDER PASS2**
- DIGITAL INPUTS
 - OUTPUT
 - ANALOG OUTPUT
 - EN.FUN
 - SERIAL
 - ETHERNET
 - U.CAL
 - PASC0
 - PASQ
 - PASC1
 - PASC2
 - FI.CFG

To exit menu, hold A/M until home screen appears, or press MEN to cycle through menu options to return to the home screen.

