SSi AC20 Quick Start Instructions

Keyboard Description:

MENU Is used to select a parameter group

FUNC: when the instrument is in *Normal Display Mode* changes the indication on the lower display (default display is % of control output)

MAN: When the instrument is in *Normal Display Mode,* pushing **MAN** for more than one second enables or disables the manual function

Press ⇑ **Key** during parameter modification to increase the value of the selected parameter**.**

Press ⇑ **Key** during **MANUAL** Mode to increase the output value

Press ⇓ **Key**   During parameter modification to decrease the value of the selected parameter.

Press ⇓ **Key** during **MANUAL** Mode to decrease the output value

Press **TST+MAN** Hold **TST** and then press **MAN** button to start the *Burnoff* function.*

Press **TST+FUNC** Hold **TST**, then press **FUNC** Button to start the *Probetest* function.*

Test + MENU Are used to start the lamp test function (the command is accepted when push-buttons are kept depressed for more that 5 seconds and the instrument is in normal display mode)

Press **TEST + FUNC** during parameter modification to increase/decrease the value under modification to higher rate.

Press **TEST+MAN**   during parameter modification to jump to the **max** or **min** programmable value.

* Two conditions apply: First, the burnoff function must be configured and second, it must be at least 10 minutes from the last burnoff, for the test to start

Notes:

1) All the actions explained on the previous page which require two or more push-buttons must follow exactly the push-button sequence shown.

2) A 30-second time-out period is operational for the modification portion of the instrument. If no push-buttons are depressed within 30 seconds the instrument will automatically go to *Normal Display Mode.*

SSi AC20 Quick Start Instructions

Display Indicators

Press the **FUNC** button to change the bottom display to the following.

mV	Lit when the sensor out (in mV) is shown on the lower display.
TP	Lit when the sensor temperature is shown on the lower display.
CP/DP	DP Lit when instrument is in % control mode CP lit when instrument is in dew point control mode
COF	Lit when the carbon monoxide factor is shown on the lower display. (Only used when controlling Carbon Potential)
H2F	Lit when Hydrogen factor value is shown on the lower display. (Only used when controlling DewPoint
K	Lit when the probe resistance value is shown on the lower display
SEC	Lit when the sensor response time is shown on the lower display
LT	Lit when the probe temperature of the last probe test is shown on the lower display

Other LEDs Displayed:

1 – Lit when:
- Out 1 is used as control output and it is **ON** condition
- Alarm 1 is in alarm state and acknowledged.

Flashes when alarm 1 is in alarm state and it is not acknowledged.

2 – Lit when:
- Out 2 is used as control output and it is **ON** condition
- Alarm 2 is in alarm state and acknowledged.

Flashes when alarm 2 is in alarm state and it is not acknowledged.

3 – Lit when:
- Out 3 is used as control output and it is **ON** condition
- Alarm 3 is in alarm state and acknowledged.

Flashes when alarm 3 is in alarm state and it is not acknowledged.

Super Systems Inc.   **3**   1 (800)-666-4330
Cincinnati, OH 45241   Fax: (513) 772-0060
//Ssio1/main/.ssimanuals/ac20qs   www.supersystems.com

To Change Process Setpoint:

When the device is in *AUTO Mode* and in *Normal Display Mode*

- ❑ Press the ⇑ or ⇓ for more than 2 seconds, and the set point will begin changing.
- ❑ After achieving the desired set point, the instrument will time out for 2 seconds, and flash the new setting, indicating it has accepted the change.

To Change to CO Factor (When Instrument is in Carbon Control Mode):

When the device is in *AUTO MODE* and in *Normal Display Mode*
- ❑ Press the **MENU** button – **(Gr. 1 will be displayed in Yellow)**
- ❑ Press **FUNC** Button twice - This will display COF in the bottom window and the value in the middle window (Set Point Window)
- ❑ Adjust the parameter by using ⇑ or ⇓ key
- ❑ After achieving the desired value, you must press the **FUNC** button once again for the change to be accepted.
- ❑ The instrument will time out for 30 seconds and return to *Normal Display Mode* or you may press the **MENU** button several times until you return to *Normal Display Mode*
- ❑ To Verify that your change was accepted you may view the COF by pressing the **FUNC** button until you reach COF in the lower Display.

To Change to H_2F Factor (When Instrument is in Dewpoint Control Mode):

When the device is in *AUTO MODE* and in *Normal Display Mode*
- ❑ Press the **MENU** button – **(Gr. 1 will be displayed in Yellow)**
- ❑ Press **FUNC** Button three times - This will display H_2F in the bottom window and the value in the middle window (Set Point Window)
- ❑ Adjust the parameter by using ⇑ or ⇓ key
- ❑ After achieving the desired value, you must press the **FUNC** button once again for the change to be accepted.
- ❑ The instrument will time out for 30 seconds and return to *Normal Display Mode* or you may press the **MENU** button several times until you return to *Normal Display Mode*

To Verify that your change was accepted you may view the H_2F by pressing the **FUNC** button until you reach H_2F in the lower Display.

SSi AC20 Quick Start Instructions

To Change to Burnoff Timers:

When the device is in *AUTO Mode* and in *Normal Display Mode*
- ❑ Press the **MENU** button – **(Gr. 1 will be displayed in Yellow)**
- ❑ Press the **MENU** button until you reach **Gr. 8 displayed in Yellow**
- ❑ Pressing the **FUNC** button to scroll through parameters **(refer to Operators Manual for description of parameters)**
- ❑ After achieving the desired set points, you must press the **FUNC** button once again after every change for it to be accepted.
- ❑ The instrument will time out for 30 seconds and return to "*Normal Display Mode* or you may press the **MENU** button several times until you return to *Normal Display Mode*

To Perform A Probe Burn-off

- ❑ Press the **TST** button and **Hold** then press the **MAN** button
  The burnoff will begin and after it is completed, it will return to *Normal Display Mode*

To Perform A Probe Test

- ❑ Press the **TST** button and **Hold** then press the **FUNC** button
- ❑ The ProbeTest will begin and after it is completed, it will return to *Normal Display Mode*
- ❑ To display the results of the test, press the **FUNC** button until **SEC** (Sensor response Time), and **K** (Probe resistance).