<u>Quick Reference WR 3M</u>

Desired Setting/Function	**Operating Sequence**

Channel Selected with   ⌐1¬, ⌐2¬, ⌐3¬ Or ⌐1·2·3¬

Channel On/Off   ▲ + ▼ (Depress simultaneously and release)

Control Value Up   ▲ (Scroll to new value)

Control Value Down   ▼ (Scroll to new value)

Temperature Setting:

With Scroll Keys   ▲ or ▼(Set Point displayed for 3 seconds) ⇨▲ or ▼(Scroll to new Value)

With Radio Button Pre-Sets   ⌐1·2·3¬ ⇨ ▲ or ▼(Select channel and momentarily depress Up or Down Scroll key – Pre-Sets displayed for 3 s)
⌐1¬, ⌐2¬ or ⌐3¬ (Momentarily depress Radio Button indicating desired Pre-Set temperature value)

Changing Radio Button Pre-Set Values   ⌐1·2·3¬ ⇨ ▲ or ▼(Select channel ⇨ ▲ or ▼until desired new Pre-Set Value is indicated in large display)
⌐1¬, ⌐2¬ or ⌐3¬ (To assign value depress and hold desired Radio Button until Pre-Set Display stops blinking)

Setting Air Flow   Air ⇨ ▲ or ▼

Pick Up Pump On/Off   **Pick Up Pushbutton** (Toggle On/Off)

Selecting Menu 1   ⌐1·2·3¬ ⇨ ▲ + ▼ (Select the desired channel ⇨Depress ▲▼simultaneously and hold for (2) Seconds.
Release when "1" appears in display.)

Menu Navigation   ⌐1¬ - **Backward (previous item in menu)**
⌐2¬ - **Forward (next item in menu)**
⌐3¬ - **Exit menu and enter all new values into memory**

Setting Value for Menu Items   ▲ or ▼

Special Functions Menu 1	Range of Values
STANDBY (temperature)	200°F (93°C) - 600°F (316°C)
SETBACK (time - min)	0min (default – Setback off); "On" (controlled to standby temp. when tool placed in Stop and Go stand); 1-99min (SETBACK On to specific time settings)
AUTO OFF (time - min)	0min (default – Auto off switched off); 1-999min (specific time settings)
OFFSET (temperature)	+/-72°F (40°C)
WINDOW (temperature)	+/-180°F(99°C) - Half of setting above and half below locked temp
°F / °C (unit of measure)	°F/°C - Up or Down Scroll key will toggle unit of measure
HAP On (time – seconds)	0-60s (default 0s - HAP is on only for programmed time even if button remains pressed - 0s means button controls time manually
VAC OFF (time – seconds)	0-5s (default is 2s – vac remains on for time after button released)
VAC ON (time – seconds)	0-9s (default is 0s – after button pressed, vac does not turn on until time elapses)
LOCK 🔒	"On"/"Off" – code selectable 1-999. For lost codes, In Menu 1 depress and hold RB1 for 9-digit number in Pre-Set area of display

Special Functions Menu 2	Range of Values
600 (bar)	400 – 800 bar (600 default – vacuum level at which red-green VAC LED on front panel switches from green to red)
ID	0-999 (For use with USB and software identification)
FCC (Factory Control Check)	▼Low 212°F(100°C) ▲ High 842°F(450°C) – Offset per measurement reading of external instrument +/- 72°F(40°C) – RB2 to enter offset value – RB3 to exit and save
PICK-UP (%)	50%-100% (default 85%) – Vacuum pick-up

To Lock Station (From "Lock" in Menu 1)   **Code with ▲ or ▼**⇨ ┌ 3 ┐ Scroll to desired code⇨Depress RB3 for 5 secs or until large display stops blinking

To Unlock Station (From "Lock" in Menu 1)   **Code with ▲ or ▼**⇨ ┌ 3 ┐ Scroll to code ⇨After code is entered, depress RB3 momentarily to enter, exit, unlock

Factory Reset (From Menu 1or 2)*   ┌ 3 ┐ **and Hold ▲+ ▼**(Depress and hold RB3 then Up and Down Scroll keys simultaneously. Release three keys when "FSE" appears in display.)

*Factory Reset can be performed from any Menu 1 function on any channel. It resets all Menu 1 and most Menu 2 functions for all channels to factory default values. It does not reset temperature offsets previously entered in the Menu 2 FCC function for any channel. Factory Reset from Menu 2 can only be performed from the FCC function of any channel. It specifically resets FCC function offsets for all channels to factory default values and does not reset other Menu 1 or Menu 2 functions.

Setback and Auto Off Settings:

Settings		Tool Operation without Switching Holder
SETBACK Time [1-99 min]	OFF Time [1-999 min]	
0 / ON	0	Soldering tool remains at the Set soldering temperature.
0 / ON	Time	Soldering tool is switched off when not in use[1] after the OFF time has elapsed.
Time	0	Soldering tool is controlled down when not in use[1] to the STANDBY temperature[2] after the SETBACK time has elapsed.
Time	Time	Soldering tool is controlled down when not in use[1] to the STANDBY temperature[2] after the SETBACK time has elapsed and is switched off after the OFF time has elapsed.
		Tool Operation with Switching Holder
0	0	Soldering is switched off in the holder[3].
ON	0	Soldering tool is controlled to the STANDBY temperature[2] when in the holder[3] ·
0	Time	Soldering tool is switched off after the OFF time has elapsed when in the holder[3].
ON	Time	Soldering tool is controlled to the STANDBY temperature[2] and is switched off after the OFF time has elapsed when in the holder[3].
Time	0	Soldering tool is controlled to the STANDBY temperature[2] after the SETBACK time has elapsed when in the holder[3].
Time	Time	Soldering tool is controlled to the STANDBY temperature[2] after the SETBACK time has elapsed and is switched off after the OFF time has elapsed when in the holder[3].

[1] Not in use = UP/DOWN Scroll Keys not depressed and no temperature drop > 9°F (5°C).

[2] STANDBY temperature must be below the Set temperature, otherwise the SETBACK function is inactive.

[3] When a switching holder is connected, the soldering tool always remains at the Set temperature outside the holder. The holder function is activated when the soldering tool is placed in the holder for the first time.

Note   **Reset of STANDBY and AUTO OFF modes:**
- **without switching holder, by depressing the UP or DOWN Scroll Keys.**
- **with switching holder, by removing the soldering tool from the holder.**

Minimum/Maximum Settings:

Power	420 watts (3 independent channels with simultaneous operation of 3 tools totaling 400 watts)

Tool Temperature

Hot Air Tools & WSP150 Soldering Iron	150°F – 950°F (50°C – 550°C)
Soldering/Desoldering Tools	150°F – 850°F (50°C – 450°C)

Hot Air Flow

HAP1	1.0 l/min – 10.0 l/min
HAP200	1.5 l/min – 15.0 l/min

Maximum Vacuum

Primary pump (Desoldering)	0.7 bar (20.7 in/Hg)
Secondary pump (Pick Up)	0.25 bar - 0.5 bar (7.4 in/Hg - 14.7 in/Hg)