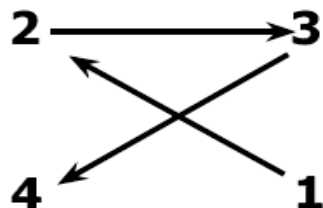


5.1 Primea Touch Plus and Touch test functions

The functions of the second water heater do not apply to the Touch model.



During the first 3 seconds after start-up of the appliance (or on exit from standby mode) the user can access test mode by pressing the keys in the sequence shown alongside. In test mode, the machine functions can be checked, and are divided into four macro-groups.

CPU print software version:
V_00.00.00

power print software version:
V_00.00.00

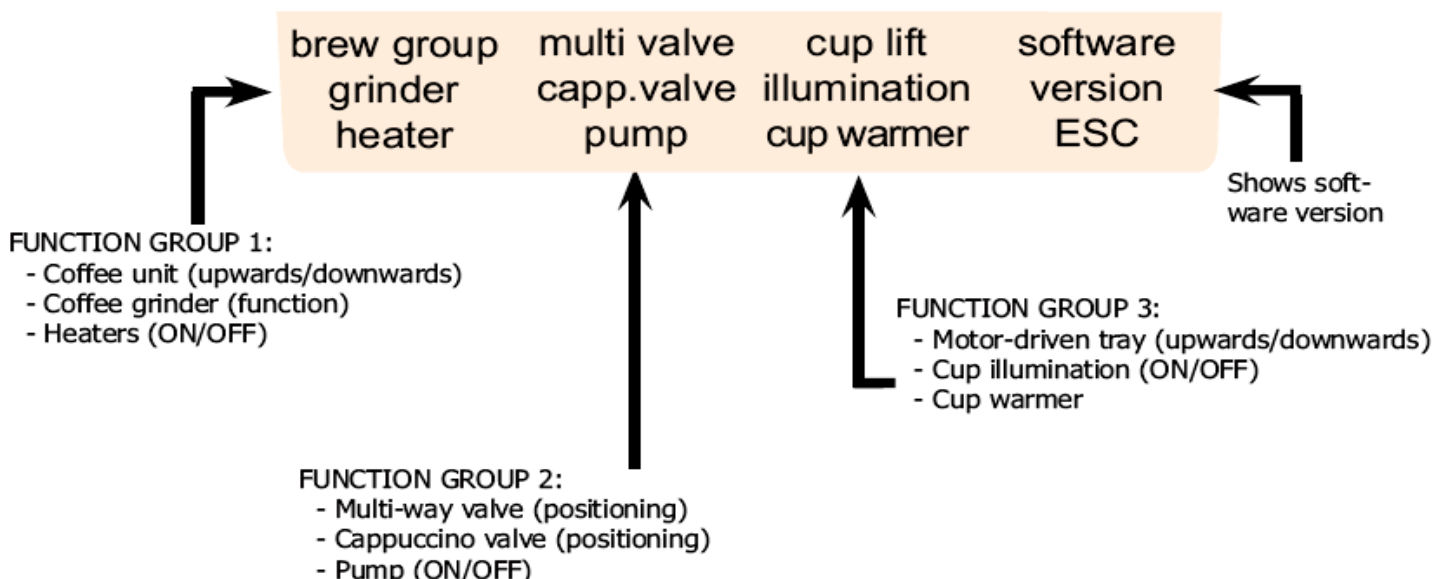
CPU print boot loader version:
V_00.00.00

ESC

| | | | |
|------------|--------------|----------------|-----------|
| brew group | multi valve | cup lift | software |
| grinder | • capp.valve | • illumination | • version |
| heater | pump | cup warmer | ESC |

The display shows:

- CPU card software version
- Power card software version
- Description of functions
- Esc key to exit Test Mode
- Version of boot loader on CPU



5.1.1 Function group 1 - coffee unit, coffee grinder, heater power supply.

| | | | |
|---------------------------|-------------------------------|--|-----------------------|
| brew group home | Brew group | Errors | brew group work |
| | | Dregdraw:OK Door:OK WaTank:OK WaLevel:OK | |
| grinder Go | inserted | DripWater:OK MilkTank:OK CappDraw:OK Tray miss:OK | water heater (1300 W) |
| | Grinder Imp:000 | Sensor | |
| Impulses Med. Aroma 100 | Top open | St:100:OK Wa:100:OK | steam heater (1100 W) |
| | | | |
| brew group grinder heater | multi valve • capp.valve pump | cup lift • illumination • cup warmer | software version ESC |

Brew group home: brew group in home position
Is home - rest position (Gearmotor micro.)

Brew group work: brew group in brewing position.
Is work - delivery position (gearmotor micro)

Brew group: inserted - unit inserted (unit micro)
Missing - unit missing (unit micro)

Grinder go: coffee grinder running.

Grinder: Imp:000 - grinder pulses.
Top open - coffee container cover open.
Top closed- coffee container. cover closed.

Steam heater: 1100 W - powers steam heater.

Water heater: 1300 W - powers water heater.

Sensor:* max 150

Impulses Coffee grinder pulse control (min.60 - max. 200) in steps of 05 sets quantity of ground coffee

Med. aroma

Function group 2 - multi-way valve, cappuccino maker valve, pump

| | | | |
|---------------------------|---|---|----------------------|
| multi valve left | Multival:OK | Errors | multi valve right |
| | Pos3:Init Ms: Top Ms: Bot Cupp.Valve | Dregdraw:OK Door:OK WaTank:OK WaLevel:OK | |
| capp.valve next position | reached Pos1:Init MS: open | DripWater:OK MilkTank:OK MilkDraw:OK CappDraw:OK Tray miss:OK | pump |
| | Flowmeter | Sensor | |
| solenoid | Imp.:000 Hz:000 | St: 100:OK Wa:100:OK | |
| | | | |
| brew group grinder heater | multi valve • capp.valve pump | cup lift • illumination • cup warmer | software version ESC |

Multi valve left: Multi-way valve turns left

Multi valve right: Multi-way valve turns right

Multival:OK multi-way valve OK or faulty (ER)

Pos1:Steam Steam setting (hot milk and froth)

Pos2:St.Pre. Steam pressure before delivery of milk or froth

Pos3:Init Reset position - initialisation

Pos4:Coffee Coffee brew setting

Pos5:Hotwa. Hot water dispense setting

Cupp.valve next: Cappuccino valve command position

Pos1:Init Reset position - initialisation

Pos2:Foam Milk frothing setting

Pos3:Milk Hot milk dispense setting

pump: Pump

Turbo:OK Pump OK or faulty (ER)

Imp.:000 Turbine pulses (40 - 60 OK)

Hz: 000

Solenoid: Activation of electromagnet that closes the milk door

Function group 3 - drip tray, cup illumination, cup warmer

| | | | |
|---------------------------|---|--|----------------------|
| cuplift up | Cuplift | Errors | Cup Heater |
| | Is bottom Key up:Off Key down:Off | Dregdraw:OK Door:OK WaTank:OK WaLevel:OK | |
| cuplift down | | DripWater:OK MilkTank:OK MilkDraw:OK Tray miss:OK | |
| | | Sensor | |
| illumination | | St: 100:OK Wa:100:OK | |
| | | | |
| brew group grinder heater | multi valve • capp.valve pump | cup lift • illumination • cup warmer | software version ESC |

Cuplift up: Tray up movement

Cuplift down: Tray downwards movement

Cuplift: Tray downwards (lower micro)

Is bottom: Tray up (upper micro)

Is Top ON/OFF-Up key pressed

Key up: OFF ON/OFF-Down key pressed

Key down: OFF cup illumination (press and hold)

illumination: cup warmer plate (press and hold)

Cup warmer

Key: In black: Keys
In blue: Check status
* See next page (sensors)

5.1.2 Microswitch and sensor check

Errors

(Errors)

| | |
|---|--|
| Grounds drawer: (Dregdraw:) | Grounds drawer micro OK Drawer present ER drawer missing |
| Service: (Door:) | Door microswitch OK door closed ER door open |
| Water tank: (WaTank:) | Tank Micro OK tank engaged ER tank empty or in reserve (see diagnostics) |
| Water level: (WaLevel) | Water level capacitive sensor OK Water present ER Water low |
| Drip. tray: (DripWater:) | Drip tray capacitive sensor OK drip tray empty ER drip tray full |
| Milk tank: (MilkTank) | Milk tank door micro OK milk tank door closed ER milk tank door open |
| Cappuccino maker: (CappDraw:) | Milk tank + cappuccino maker micro OK milk tank and cappuccino maker inserted ER milk tank |
| Drip. tray: (no drip tray) (Tray miss:) | Drip tray micro OK tray present ER no tray |

Sensors

| | |
|-----------|--|
| St: steam | Steam heater temperature sensor (Touch Plus only) Number: current temperature OK Sensor connection ok ER sensor shorted or disconnected |
| Wa: water | Water heater temperature sensor Number: current temperature OK Sensor connection ok ER sensor shorted or disconnected |

| |
|---------------|
| Errors |
| Dregdraw:OK |
| Door:OK |
| WaTank:OK |
| WaLevel:OK |
| DripWater:OK |
| MilkTank:OK |
| CappDraw:OK |
| Tray miss:OK |
| Sensor |
| St:100:OK |
| Wa:100:OK |