

# La Marzocco Technical Bulletin #134

**Linea PB/Strada AV new firmware 1.9.0 and new load cell boards.**

**March 9, 2017**

All new Linea PB ABR, Linea PB AV and Strada AV machines now come with new firmware version 1.9.0. Additionally, all Linea PB ABR, starting from SN PB007200 will have new load cell boards.

## **New firmware 1.9.0**

Firmware 1.9.0 includes the following improvements:

- When brewing a long dose, by holding the button down until the shot begins, the light on that button will blink at a faster rate. This allows the barista to see which dose they are brewing.
- It is now possible to have the 3rd button on each group either brew a continuous dose (default) or perform a 3 second rinse. This setting can be found in the menu under “Group Dose Settings.”
- The tea button now has a programmable “long dose” (similar to the group dose buttons). Both the long dose and standard dose can be edited in the “Tea Dose” menu.
- There is now a timeout of 5 minutes on the tea button. If the tea button is pressed and there is no programmed dose, the dispensing will automatically stop after 5 minutes. This timeout can be set from the “Tea Dose” menu in factory mode programming.
- The “Drain Steam Boiler” function has been added to the technical menu. This permits most of the water to be drained from the steam boiler through programming. When activated the steam boiler element will not heat and the boiler will not refill. The hot water valve opens allowing water to be evacuated from the boiler.
- The maximum temperature of the steam boiler has been limited to 129°C (264.2°F).
- The “Test Safety Valve” function has been added to the firmware. This function allows an authorized technician to test the pressure safety valve. It works by overheating the steam boiler causing the pressure safety valve to open. NOTE: this function is to be used by authorized technicians only.
- The “Flowmeter No Pulses” alert will now be triggered if the CPU does not see any pulses within 5 seconds. Previously it had been 2 seconds.
- The “Flowmeter Broken” alert now will only trigger after the flowmeter has shorted for at least 2 seconds. Like the “Flowmeter No Pulses” error it will only trigger once per power cycle. If the error is cleared it will not be triggered again until the machine has been turned off and then on again.
- Firmware 1.9.0 adds support for scale hardware, load cell board, version 2.6 and higher. This includes version 3.0.
- In the “Scale Configuration” menu in factory programming there is now a scale test mode. This enables all of the scales and shows the live weight of each.

[Click here to download the new firmware.](#)

NOTE: The scale firmware does not automatically upgrade when the main firmware is updated. You must upgrade each scale's firmware individually. To do this enter into the Factory Menu or Technician Menu. Go to "Scale Configuration." Then go to "G# Scale: v#.#.#; Upgrade to #.#.#." Do this for each group on the machine to upgrade all scale firmware.

### **New load cell boards 3.0**

The new load cell boards, version 3.0, have been improved to provide more stable readings and overall scale functionality. Only version 3.0 load cell boards are available as spare parts, part number E.1.031.

New load cell boards require firmware 1.9.0 or greater. Note: even if you install only one new load cell board into a machine, the machine must be running firmware 1.9.0.

Please do not hesitate to contact your La Marzocco sales representative or our solutions team with any questions you have about this update. [Solutions.usa@lamarzocco.com](mailto:Solutions.usa@lamarzocco.com)