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HT-300/500 Extended Calibration

Valid for units with Serial Numbers 4500 and above.

In order to access the Extended Calibration function of the HT-300/500, it is first necessary to enter the Extended Calibration Mode. This is accomplished by pressing and holding the STOP key, then pressing the CONT key, then releasing both keys. Within one second of releasing these keys, the CONT key (only) must again be pressed and released. The printer will then print out a list of the new functions of the keypad keys along with the words EXTENDED CALIBRATION. These are listed below.

<u>Keypad Key</u>	<u>Setting</u>	<u>Description</u>
CLEAR	0 Kp Value	Stores the 0 Kp value
DATA	10 Kp Value	Stores the 10 Kp value
X,O	Validate	Prints the current weight on the cell
START	Test 20 N/S Rise	Starts the force test
CONT	Correction 20 N/S Rise	Shows the correction factor

In order to test the force increase, it is necessary to first place an unbreakable object (i.e a metal block) between the jaws, then press the START key. The jaws will extend forward, until contact is made, at which time the motor slows to constant force speed. Once the maximum force is reached, a printout will occur showing the hardness, time and force increase of the test. If the test shows anything other than the recommended 20 Newtons per second value, the correction factor should be changed by pressing and holding the CONT key and then releasing it when the factor is at an acceptable value. As this number is increased, the force being applied will be decreased. The range of correction is from -20 to 40. Standard is anywhere from 0 to 6.