17-76/77 Compression Tester

Quick Start Guide

SOFT KEY ICONS

Increment
Decrement
Print
Tare
Clear Data

AUDIBLE RESPONSE TONES

1 short beep
Positive response (successful, ok, etc.)

3 beeps
Negative response (alarm, warning, invalid input, etc.)

FINDING HOME

After powering up, pressing <START> allows the machine find its limits of travel.

FUNCTION KEYS

Main screen: Used to set basic parameters, such as Metric or Imperial systems (M/I button) and Language.

Test Settings screen: F1-F6 are slots that save a test’s unique parameter settings.

The slot’s label is the test type that is saved in that slot. The current slot selection is changed by pressing F1-F6. The current slot selection is highlighted in yellow and is changed by pressing F1-F6.

TEST MENU

Press <ENTER> from initial screen to access test menu. Press associated <number> button to change a parameter.

<1> Test Type
The type of test chosen from 11 standard options

<2> Units
Units of measure (N, lbf, lbf/inch, etc.)

<3> Threshold
Force required before data collection starts

<4> Sensitivity
Percent drop off that signifies a sample breaking (adjustable from 5% to 40%)

<5> Test Speed
Selectable test speed from 0.2 to 20 in/min (adjustable in increments of 0.2)

<6> Return Height
Height to which the platen will return after completing test (adjustable in increments of 0.1)

<7> Test Height
Height to which the platen will travel before starting test (adjustable in increments of 0.1)

<8> Deformation
Max. distance platen will move past contact with specimen (adjustable in increments of 0.1)

<9> Sample Size
Dimensions of the sample for the test result to be correctly calculated

Press <ENTER> from the test menu to begin test mode.

TEST TYPES

RCT
Ring Crust Test

CMT
Flat Crush of Corrugated Medium

Peak Load

CLT
Concora Liner Test

FCT
Flat Crush Test

Peak Height

CCT
Column Crush Test

PAT
Pin Adhesion Test

Stack Load

ECT
Edge Crush Test

HOT KEYS

START
Start test

STOP
Stop test

ACCESSORY FUNCTIONS

Jogging Up and Down
To move the upper platen up, press the left arrow key. The platen will start moving at the previous jog speed. Pressing the ENTER key will increase the speed by 1 inch/min. If it’s not stopped the upper platen will stop at the upper limit switch.

To move the upper platen down, press the right arrow key. The platen will start moving at the previous jog speed. Pressing the ENTER key will increase the speed by 1 inch/min. If it’s not stopped the upper platen will stop at the zero position.

To stop the upper platen, press the STOP button. This will stop the platen and set the jog speed to 0.

Lock-Out Switch
If the lock-out switch is engaged on the back of the unit, the user will not be able to change test parameters - only the six pre-set tests will be available to scroll through.

Adjusting Screen Contrast
Press and hold black rocker switch on back of unit until screen contrast is optimized for your viewing angle.

EMERGENCY STOP BUTTON

Press at any time to stop movement (current test run will be aborted). To release, twist clockwise (must be released before testing resumes).