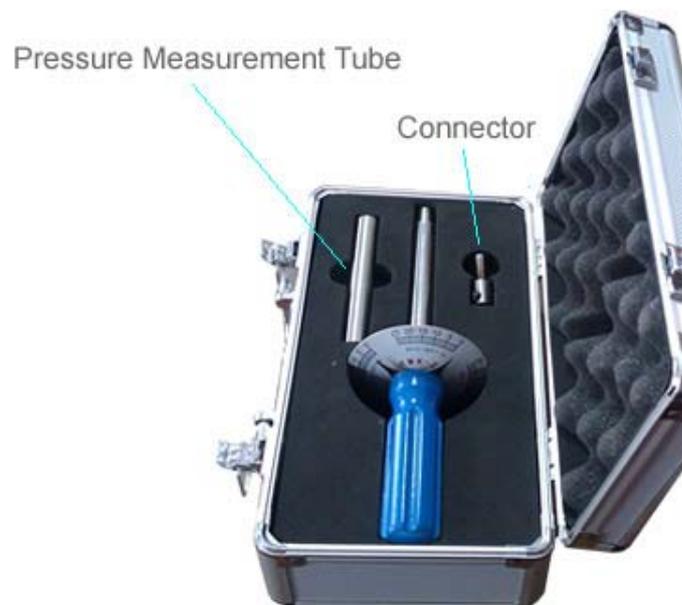


HMK-22 Sample Pressure Calibrator

Manuals Ver2.0

I. Overview

HMK-22 Sample Pressure Calibrator Assembly is made up of a sample pressure calibrator 0-25 lbf • in and a pressure measurement tube 20-80lbf. The former is used to measure the torque and the latter used to measure the pressure i.e. force calibration in unit of lbf. Two parts work together on HMK-22 Fisher Sub Sieve Sizer in order to achieve same degree of compaction and improve the accuracy and repeatability of fisher sizing.



II. Specifications

2.1 Torque range: 0-25lbf • in, 1lbf • in/scale

2.2 Pressure range: 20-80lbf, 10lbf/scale

III. Installation & Operation

3.1 Before particle sizing, dismantle No.4 Rack and pinion control knob, then remove 3 M3 screws on the pinion, take out saddle washer (put it back in case calibrator is not being used), put back the gear shaft into the assembly. Put on the cover, screw in the 3 M3 and press the Hex connector tightly onto the projecting end of the pinion axis, then insert the calibrator into the connector. Put the pressure measurement tube onto No.9 Base block assembly, turn the calibrator counterclockwise to make No.5 Pinion down and read the

pressure by the red line and the scale on the tube. Now each scale the calibrator turns, the pressure is increased by 1lbf

3.2 Usually, when it is pressed to 50lbf, the calibrator shows readings in the range of 13 to 17 lbf • in

3.3 Unit of scale on calibrator: lbf • in

3.4 Unit of scale on pressure measurement tube: lbf

IV. Tips

4.1 Please do not turn with force more than 25lbf • in or the calibrator may be broken.

4.2 Please put calibrator back to the box, falling onto the ground may lead to breakage.

4.3 Please do as being instructed. Do not hold the dial in one hand and turn the handle with the other hand or the dial and pointer will be dislocated. If it happens please screw up the M4 on the dial, turn slightly the pointer to zero and screw in.

4.4 Do not impose force more than 80lbs or the pressure measurement tube may be broken.

V. Packing List

No.	Item	Quantity	CAT No.
1	Sample Pressure Calibrator	1	020111
2	Hex Connector	1	030131
3	Pressure Measurement Tube	1	020132