

Product Information

10/26/2009

By: KRD

Score Bend and COF Tester Based on Mark-10 ESM301 Tester and Gauge



SCOBENFIX3 installed on ESM301 with programmable travel limit option

The score bend test fixture manufactured by S. A. Meier includes: pneumatic clamping of the sample product operated by a hand switch or foot switch (not shown).

The force measuring gage attached has a special eprom installed for force readout in grams. Either a 2500g x 1 g or 5000g x 2g capacity gage is available and have a data port that can be configured for rs-232 or Mitutoyo BCD transmission. The gage can be set to the real time mode or peak mode.

To run a test the sample is installed and clamped in place and when the up button is depressed, the Mark-10 ESM test stand travels a programmed distance bending the sample to 90°, then, after a short dwell, automatically returns to the open position. The automatic return feature can be disabled if manual return is desired. Travel distance can be programmed if a different angle is desired.



Model SAMCOF 2

Based on the Mark-10 horizontal test stand, this tester is has pass word protected adjustable speeds and includes a 200 gram sled and stainless steel table that is returned to the start position after the return button is depressed. A holding clamp to hold the sample to the table can be provided (not shown).

The included gage is specially designed to capture and read out Static and Kinetic COF directly. Addition units that can be displayed include lbF, gF, and N. The averaging period and threshold is programmable

This system is designed to meet ASTM D 1894, TAPPI T549, and ISO 8294 as well as other COF specifications requiring a 200 gram sled.