

Pusey and Jones

It serves for the determination of the penetration depth on rubber- and rubberlike materials, like e.g. rubber rollers and standard blocks made of rubber with a minimum material thickness of 13 mm as well as paper rollers.

The hardness tester works according to ASTM D 531-89.



The electronic dial gauge is integrated in the instrument and shows the indentation depth in 0,000 mm units directly.

By help of a vertical spindle which is integrated at the back of the instrument, the dial gauge can be moved up and down very carefully.

The dial gauge is equipped with a zero setting. This makes possible that the reading of the dial gauge can be set for zero by a single pressure of the zeroing key as soon as the indenter together with the measuring bar is lifted about 3 mm by lowering the body of the instrument.

The prescribed total load of 9,8 N is applied by lowering the loading lever at the right side.

The test result can be read after a test time of 60 seconds.

The basic equipment includes a removable prism which can be removed when plates are to be tested.

By help of the measuring system you can do an easy, quick and good reproducible measurement under load.

Technical Data:

roller's diameter of the test object	max. Ø 120 mm
indenter	ball: Ø 3,175 mm
total force	9,8 N
loading weight	1.000 g ± 1 g
reading of the measured values	0,001 mm
net weight	3,300 kg
dimensions height x width x depth	250 x 90 x 130 mm