



# HOSE ABRASION CHECK

**INSTRUMENT FOR THE DETERMINATION OF THE ABRASION RESISTANCE OF THE OUTER COVER OF RUBBER HOSES**

STANDARDS: ISO 6945; ISO 7840; ISO TS\_20444:2024; SAE J2006;

NOTE: COMPLIANCE WITH SOME STANDARDS MAY REQUIRE OPTIONAL ACCESSORIES OR SETUPS.



The instrument permits to perform standard tests and to customize test conditions. It can be successfully used both for production control and for research and development purposes.

### Standard test cycle

The hose under test rotates at a constant speed while the abrasion tool moves back and forth, parallel to the axis of the hose. During each test cycle the hose performs a complete rotation and the abrasion tool performs a complete back and forth movement.

The instrument automatically stops, when the set number of cycles has been performed. The evaluation of the result is made by measuring the quantity of material removed from the abrasion tool.

### Key Features

- Solid structure to prevent vibrations and ensure long duration
- Quick replacement of the abrasion tool
- Interchangeable weights to set the vertical force on the abrasion tool

- Instrument control via Touch-Screen Display
- Digital adjustment of the rotation speed (between 0 and 80 rpm)
- Digital counter of test cycles
- Hoses with external diameter up to 120 mm can be tested
- Easy setup of the instrument to select test mode and perform tests with or without axial hose rotation
- Locked protection door and safety push-button
- CE Labelling

**Standard abrasion tool:** Abrasive paper 80 Grit, coarse AL203 emery cloth is firmly affixed to a hard surface with 25 x 75 ± 5 mm dimension. Other abrading tools on demand.

**Rotation speed of the hose:** Between 0 and 80 RPM. Digital setting via control display.

**External Diameter of the hose:** Minimum: 10 mm; Maximum: 120 mm

**Vertical force:** Standard 45 ± 5 N. Different on request

**Set of number of cycles:** Can be set up to 1,000,000 cycles.; Setting via touch-screen control display

**Calibration:** Calibration Report conforming to ISO/CD 20444 with traceability to primary standards

**Noise Level:** < 40 dB

