



# DE MATTIA FATIGUE CHECK

**DYNAMIC TESTER FOR THE EXECUTION OF FATIGUE TESTS IN TRACTION AND BENDING IN COMPLIANCE WITH INTERNATIONAL STANDARDS**

STANDARDS: ASTM D813; ASTM D430-B; ISO 132; ISO 6943; JIS K\_6260;

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



The instrument permits to perform dynamic tests for the determination of fatigue resistance of vulcanized rubbers under repeated deformations.

This instrument permits to perform Flex Cracking, Crack Growth and Tension fatigue tests.

### Technical Characteristics

According to test specification, the instrument can be easily adjusted by setting:

- Test frequency (60 to 300 rpm: 1 to 5 Hz)
- Test stroke (0 to 60 mm)
- The distance of the grips (up to 100 mm)
- The number of cycles before automatic stop (up to 10<sup>9</sup>)

### Key Features

- Sample-holder for 16 samples
- Exclusive movement system with both sample

holders moving in opposite directions to ensure low levels of noise and vibrations

- Digital Display for instrument setup
- CE labelling

### Accessories

- Piercing tool
- Mould for sample preparation.

**Speed adjustment:** from 60 to 300 Cycles/min - 1 to 5 Hz

**Run Adjustment:** Between 0 and 60 mm

**Set of the number of cycles before automatic stop:** Between 1 and 10<sup>9</sup>

**Distance of the clamps:** Max 100 mm

**Sample Holder:** 16 samples can be tested at the same time

**Data displayed:** Set number of cycles, Cycles performed, oscillation Frequency

**Noise Level:** <50 dB

