

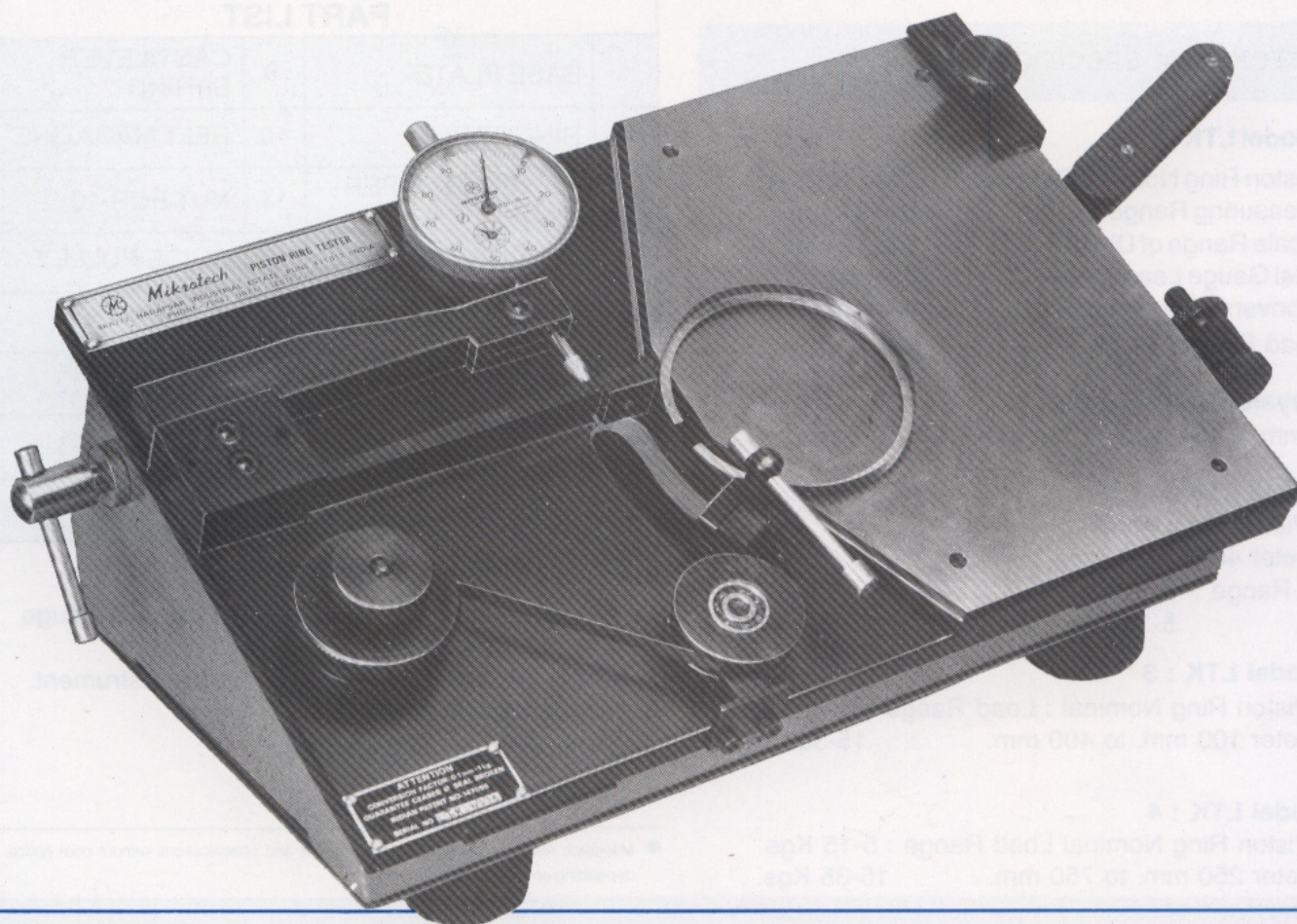


Mikrotech

PISTON RING TESTER

FOR CHECKING TANGENTIAL TENSION

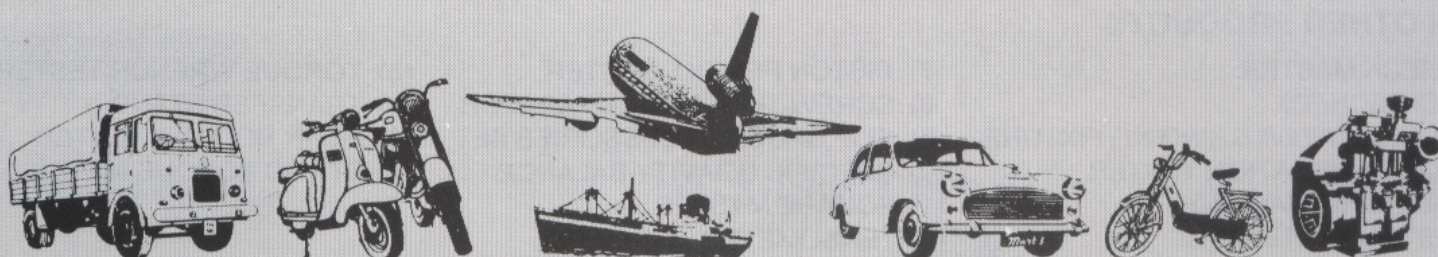
Whether Take-off of a plane or moped running on street it is the piston ring Tension that decides the performance. A rigidly tested quality proven piston ring comes only out of surity given by our Models LTK-1 to LTK-4.



TESTED AND CERTIFIED BY THE
AUTOMOTIVE RESEARCH ASSOCIATION
OF INDIA, PUNE - 411 004.

Mikrotech

COUNT ON CONSISTANCY & RELIABILITY



• DESCRIPTION

MIKROTECH Piston Ring Tester is the inevitable Instrument for the Metrological Laboratories of eminent Automobile Manufacturers, Test Rigs and Inspection Departments of various vehicle testing and certifying Laboratories, Stage and final Inspection of Ring Manufacturers, Research and Development wings of all Diesel as well as Petrol Engine manufacturers, Compressor manufacturers, Aeronautical Laboratories, Technical Institutes, Colleges etc.

This Tester is useful for checking the Tangential Tension of the Piston Ring. The Piston Ring is held along the circumference, by the Steel Belt Tangentially at the gap. The tangential tension induced in the belt is carried over a cantilever spring. The Magnitude of deflection of this cantilever spring is indicated by the Dial Gauge. This deflection, multiplied by the spring constant gives the tangential tension of the Piston Ring.

• TECHNICAL SPECIFICATIONS :

A. Model LTK : 1

1. Piston Ring Nominal Diameter : 25 to 160 mm.
2. Measuring Range : 0 to 5 kg.
3. Scale Range of Dial Gauge : 0 to 10 mm.
4. Dial Gauge Least Count : 0.01 mm.
5. Conversion Factor : 0.01 mm = 0.1 kg.
6. Load Range : 0-5 Kgs

B. Physical Dimensions

470 mm × 240 mm × 180 mm.

C. Model LTK : 2

For Piston Ring Nominal Diameter 40 To 250 mm
Load Range :- 0-5 Kgs
5-15 Kgs

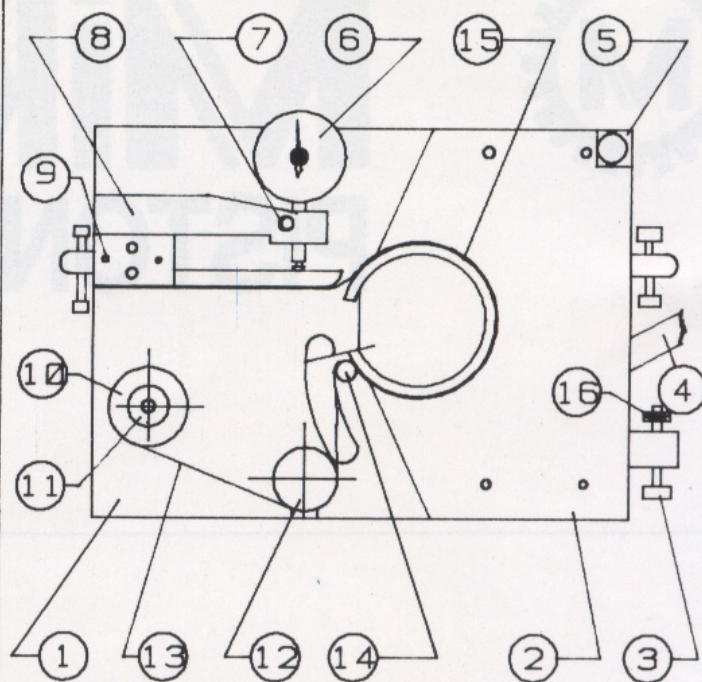
D. Model LTK : 3

For Piston Ring Nominal : Load Range : 5-15 Kgs
Diameter 100 mm. to 400 mm. 15-35 Kgs

E. Model LTK : 4

For Piston Ring Nominal Load Range : 5-15 Kgs
Diameter 250 mm. to 750 mm. 15-35 Kgs.

SCHEMATIC DIAGRAM



PART LIST

1	BASE PLATE	9	CANTILEVER SPRING
2	RING TABLE	10	BELT MAGAZINE
3	LOWER STOPPER SET SCREW	11	NUT FOR-10
4	TENSION LEVER	12	GUIDE PULLEY
5	UPPER STOPPER	13	BELT
6	DIAL GAUGE	14	BELT CLAMP SCREW
7	HOLDER CLAMP SCREW	15	PISTON RING
8	DIAL GAUGE HOLDER	16	CHECK NUT

• STANDARD ACCESSORIES

1. All testers are fitted with Plunger Type Dial Gauge
2. A Set of Filler Gauge.
3. A set of Allen Key is provided with the Instrument.
4. Instruction Manual.

• OPTIONAL ACCESSORIES

Spare Belt.

- Mikrotech reserves the right to alter designs and specifications without prior notice, depending on market requirements.



Manufactured By :

Mikrotech

(A Kudale Enterprise)

98A/17, Hadapsar Industrial Estate, Pune - 411 013, India.

Phone : 670567, 672068.

Gram : TESTEQUIP

Telex : 0145-7333 MCCI-MIKROTECH

0145-7505-MCCI-MIKROTECH

Fax : 212 675383 (Mikrotech)

OUR OTHER PRODUCTS

- | | | |
|--------------------------------|-------------------------------|--------------------------|
| 1) CHECK MASTER | 7) PISTON PROFILE TESTER. | 13) TORQUE WRENCH TESTER |
| 2) COMBICHECK | 8) SCREW THREAD COMPARATOR | 14) TRANSFER STAND |
| 3) COMMUTATOR GRINDING FIXTURE | 9) SLIP GAUGE ACCESSORIES SET | 15) GEAR ROLLING TESTER |
| 4) DIAL CALIBRATION TESTER | 10) SPECIFIC GRAVITY BALANCE | 16) STATIC TORQUE METER |
| 5) DIE FILING MACHINE | 11) SQUARE MASTER | |
| 6) PISTON DIA TESTER | 12) TENSOMETER | |