

KUDALE INSTRUMENTS (P) LTD.

PISTON RING TESTER



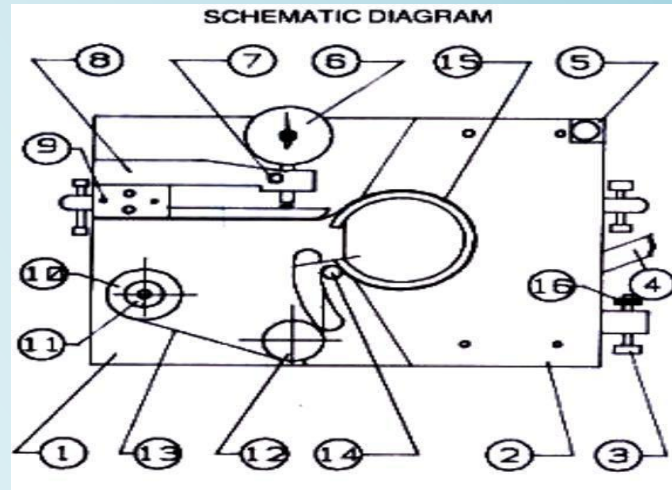
INTRODUCTION :-

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 Instruments, Colleges Etc.

This Taster 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.

Piston Ring Testers Technical Specifications & available in four ranges :

Model	Technical Specification	
Model LTK – 1	1. Piston Ring Nominal Diameter	: 25 to 160 mm.
	2. Measuring Range	: 0 - 10 kgs.
	3. Scale Range of Dial Gauge	: 0 to 10 mm.
	4. Dial Gauge Least Count	: 0.01 mm.
	5. Conversion Factor	: 0.01mm = 0.1 kg.
	6. Load Range	: 0 - 10 kgs.
Model LTK – 2	1. Piston Ring Nominal Diameter	: 40 to 250 mm.
	2. Load Range	: 0 - 10 kgs.
Model LTK – 3	1. Piston Ring Nominal Diameter	: 100 to 400 mm.
	2. Load Range	: 10 kg. Or as per customer's Requirement.
Model LTK – 4	1. Piston Ring Nominal Diameter	: 250 to 750 mm.
	2. Load Range	: 15 kg. Or as per customer's Requirement.



Part - List

01	Base Plate	9	Cantilever Spring
02	Ring Table	10	Belt Magazine
03	Lower Stopper set screw	11	Nut for - 10
04	Tension Lever	12	Guide Pulley
05	Upper Stopper	13	Belt
06	Dial Gauge	14	Belt Clamp Screw
07	Holder Clamp Screw	15	Piston Ring
08	Dial Gauge Holder	16	Check Nut

❖ **Standard Accessories**

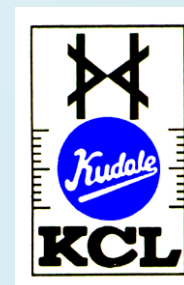
1. All testers are fitted with Plunger Type Dial Gauge.
2. A set of Filler Gauge.
3. A set of Allen Key is provided with the instrument.
4. Instruction Manual

❖ **Optional Accessories**

Spare Belt.



Kudale Instruments (P) Ltd



Kudale Calibration Laboratory Pvt. Ltd

Kudale Instruments (P) Ltd

98A/17 Hadapsar Industrial Estate, PUNE - 411 013 (India)
 Tel. : +91 20 2687 0567 / 2687 2068 Fax : + 91 20 2687 5383
 Email : <msands@eth.net> <kudale@vsnl.net>
 web-site : www.kudaleinstruments.com