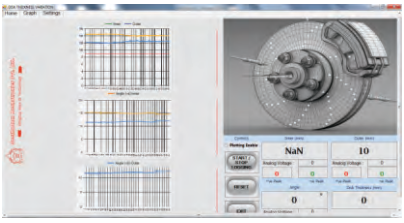
DISC THICKNESS VARIATION - DTV

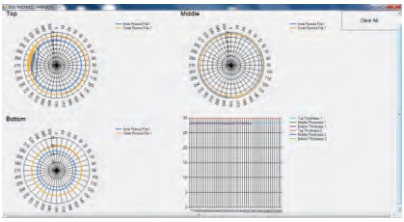
Disc Thickness Variation is uneven wear of brake disc on the brake rotor. The deformation of brake discs is measured using non-contact laser sensor in the idling state with the vehicle on the ramp / lifted on hydraulic jacks.

FEATURES

- Flexible physical adjustment of sensor in X and Y co-ordinates.
- Two high speed and high precision laser sensor for disc measurement
- Rotary potentiometer for angle measurement
- Measure run out for every 1°
- PC Suite software for plotting and logging
- Peak and valley points identified
- Real time polar graph of run - out
- Individual sensor calibration menu
- Comparison and overlapping with previous run-out data
- Password protection for setting
- Database filtering based on file name, radius and date of test
- Plot graph from database and flexible comparison option
- Simple file name and file setting
- Export data in csv and graph in png format
- Generate report in pdf
- Battery backup for unit

SCREEN SHOTS





TECHNICAL SPECIFICATION

❑ Mechanical Setup	
Adaptive rotor diameter (mm)	200 to 400
Disc Thickness	12~30mm (other size consult Factory)
Weight	4 kg Inclusive of Fixtures & Carry case

❑ Sensor Details	
Laser sensor excitation (Vdc)	12
Measurement Range (µm)	5000
Accuracy (µm)	±1
Angle sensor excitation (Vdc)	10
Angle Resolution	1°

❑ Electronic Unit	
Power Supply (V DC)	12-19
Sensor excitation (V DC)	Powered from DTV unit
Power	On/Off Switch
Power indication	Green Led
Connection type	Socket Connectors
Connection locking	Bayonet
Communication	USB for PC interface
Ingress Protection	IP50
Operating temperature °C	0-50
Storage temperature °C	0-100
Dimension (mm)	220 x 169 x 55
Weight (Kg)	0.6

Specifications are subject to change without notice