



PS MANUAL

## DIAGNOSTIC TOOLS

1.0 Model **MM-TA500**

2.0 Description

Smartach + COP Multisystem Ignition Analyser



Durst Industries Australia Pty. Ltd.

[durst.com.au](http://durst.com.au)

Phone: +61 2 9660 1755

Unit 1, 11 Packard Avenue  
Castle Hill NSW 2154 Australia





### 3.0 Features

- First Tool in the Industry capable of testing:
  - Coil on Plug
  - Coil near Plug
  - DIS (Distributor-less) or waste spark
  - Magneto and conventional distributor/ignition cilt technologies.
- Low Battery indicator
- Automatic power OFF after 1 minute of no operation
- Probe length 340mm including capacitive pick-up
- Measure 200-20000 RPM on a 4½ Digit LCD display

### 4.0 Physical and Dimensional Properties

- Each unit weighs approximately 240 g
- Width 37 mm
- Length 170 mm
- Height 100 mm
- Carrt Case dimensions 250 x 210 x 70

### 5.0 Performance

- LCD 4½ digit main measurement
- LCD 2 x 3½ digit for max and min measurements
- Update rate: 3 per second
- Battery life approximately 20Hrs
- RPM: 200 to 19999 2 and 4 cycles ( Accuracy 0.5% ± 1 LSD)
- Spark KV: 0-50KV (Repeatability 3% ± 1LSD)
- Spark burn time: 0-10ms (Accuracy ± 0.1ms)
- Input Impedance: 100KΩ + 1.5 nF minimum + 100pF (Max)
- Input Protection: ± 42 VDC Max

### 6.0 Uses

- Ideal for Automotive Workshops

### 7.0 Documentation

- Bar Code Number: **9346080001843**
- Product Specification Manual – PS 197
- Work Instruction Manual - WI 197
- Product Costing Manual - PC 197

