

# proxind

## RPM COUNTER



### TECHNICAL FEATURES

#### COMPOSITION

1. Alphanumeric monochrome display 4 lines, 16 characters
2. Membrane keyboard with 5 buttons
3. Connector for 12/24vdc power from external battery
4. RCA connector for accelerometric sensor
5. One-axis accelerometric sensor, with moving magnet
6. Connector for oil temperature probe input
7. Opacimeter pulse output connector

PROXIND s.r.l.  
Via R. Follerau, 12 – 43122 Parma  
Tel. 0521 1756371 – Fax 0521 1756370  
[www.proxind.it](http://www.proxind.it) - [info@proxind.it](mailto:info@proxind.it)

8. RS232 serial connector
9. Ring for inductive sensor
10. Class 1 Bluetooth module, CE precertified
11. N. 3 1,2V Nimh internal batteries
12. Internal charger
13. Connector for EOBD diagnosis and for antenna (positive ignition engines)
14. Optional external power supply
15. Antenna rpm detection card to be inserted in the circuit counter

## **OPERATIONAL FEATURES**

1. Software/Firmware integrated in the tool conforming to the requirements of Mctcnet Version 1.0 – 2.0 - 2.1, in force since January 2014, with RSA-1024bit encryption, as required by version 2.1
2. The Software/Firmware must/can be updated by the user directly via the Web, as required by the Technical Specifications Mctcnet2 (for this operation the serial cable is required)
3. Supply voltage from 9 to 32vdc
4. Battery life of 8-10 hours, depending on the operating mode
5. RPM detection via accelerometric sensor
6. RPM detection and engine oil temperature detection via EOBD socket (ISO9141, KW2000, J1850 and CAN)
7. Engine revolutions detection via battery ripple
8. Engine revolutions detection via antenna
9. Oil temperature detection by immersion probe
10. Manual selection of RPM source
11. Selection of cylinders and engine times either manually or from PC station (Mctcnet2 only)
12. Operating temperature range from 5 to 40°C
13. Display contrast control
14. Backlight display ignition control

## **METROLOGICAL FEATURES**

1. Compliance with MCTCNet 2 technical specifications for equipment approved with RS protocol without Result (RC4 and RSA 1024 encryption)
2. Resolution 10 RPM (up to 10 readings/second)
3. Measuring range 0-9990 RPM
4. Temperature measurement range from -50 to +120°C with 1° resolution (PT100 or PT1000 probe)