PCE Americas Inc.
711 Commerce Way
Suite 8
Jupiter
FL-33458
USA
From outside US: +1
Tel: (561) 320-9162
Fax: (561) 320-9176
info@pce-americas.com

PCE Instruments UK Ltd.
Units 12/13
Southpoint Business Park
Ensign way
Hampshire / Southampton
United Kingdom, SO31 4RF
From outside UK: +44
Tel: (0) 2380 98703 0
Fax: (0) 2380 98703 9
info@pce-instruments.com

www.pce-instruments.com/english
www.pce-instruments.com

Manual
Ignition Cable Tester ADD760

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Contents

1 Introduction

Thank you for purchasing an Ignition Cable Tester ADD760 from PCE Instruments.

The Ignition Cable Tester ADD760 is a device for non-destructive measurement of motor voltage. Therefore the sensor of the device has to be connected to a cable, which leads to a cylinder. With the engine running you can check if the correct voltage applies for explosions in the engine. As a vital device for control measurements, e. g. in production, quality assurance or at repair shops, the Ignition Cable Tester ADD760 is part of the engineer's basic equipment. It is ideally suited for detecting damages due to an accident for instance. But the Ignition Cable Tester ADD760 is also suitable for industrial use, e. g. for incoming and dispatch control. The ergonomically shaped Ignition Cable Tester ADD760 with integrated sensor and convenient handling is ideal for obtaining measuring results very quickly.

Benefits:

- Measures the ignition voltage
- Indicates the polarity
- Ignition cables easy to reach due to probe
- Measuring and testing mode
- Clearly readable display
- Simple to handle
- Quick results

Delivery content:

- Ignition Cable Tester ADD760
- Batteries
- Manual
- Probe extension
- Signal receiver

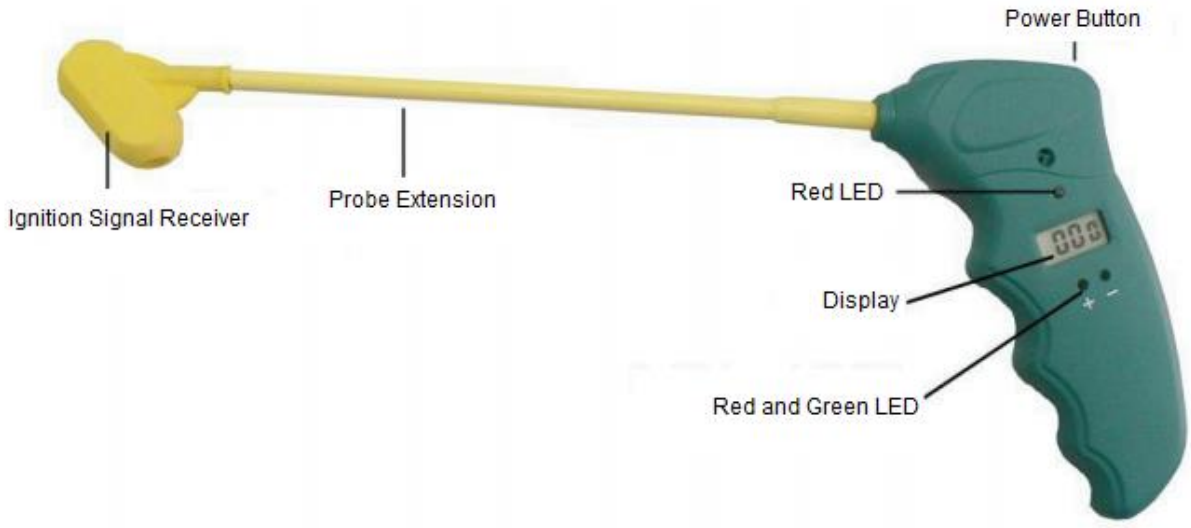
2 Safety notes

- Please read the manual carefully and completely before using it for the first time. There is no warranty of damages or injuries caused by non-observance of the manual.
- If the device isn't in use for a long period, please remove the batteries.
- The device must be used in the described way. Using the device otherwise can result in dangerous situations.
- The device must not be exposed to extreme temperatures, to direct sunlight, extreme humidity or wetness.
- Never use the device with wet hands.
- You must not make technical changes on the device.
- The appliance should only be cleaned with a damp cloth. Only use pH-neutral cleaner.
- The device only has to be used with accessories offered by PCE Instruments or equivalent replacements.
- Don't use the device if the environmental conditions (temperature, humidity,…) are not within the limits that are given in the specification.
- The device must not be used in an explosive atmosphere.

If you have any questions please contact PCE Instruments.

3 Device description

Ignition Signal Receiver	It is connected to the ignition cable.
Probe Extension	It extends the distance between sensor and handheld unit.
Power Button	It switches the device on or off.
Red LED	It shows that a spark exists.
Display	It shows the measured value.
Red and Green LED	It shows the DIS polarity.



4 Technical specifications

Display	LC display
Operation temperature	0 ... +60 °C
Voltage supply	3 x V CR2016 coin cell
Dimensions	320 x 130 x 25 mm
Weight	85 g

5 Instructions

5.1 Start-up operations

- Attach the sensor to the extension.
- Attach the extension to the handheld unit.

5.2 Switch on / off

- Press the power button.
- The device switches on and carries out a short self-test.
- If you want to measure directly, press the power button again.
- If the device is not in use, it switches off automatically after 30 seconds. Before switching off all LEDs light up and the device starts to peep.

5.3 Measuring

- Start the engine.
- Insert the ignition cable into the sensor.
- For obtaining best measurement results the minimum distance of the sensor to other metal parts or cables should be 2.4cm (1 Inch). You should not touch the sensor during measurement.
- At DIS vehicles the device could detect a doubling. For avoiding this effect please keep the maximum distance between the engine and the measurement device.
- If the measurement device restarts or changes measurement mode during a measurement, then it could be possible that the ignition plug cannot ignite and the high voltage is nearly the same as the output voltage of the coil.

5.4 Quick Check mode

- Simply switch on the device for entering the Quick Check Mode. You will arrive at this mode very quickly.
- The red and green LED will light up once a second until a spark is detected.
- When a spark is detected then the upper red LED lights up. The two lower LEDs show the polarity.
- Using Quick Check Mode voltage only up to 5 kV can be measured.

6 Battery replacement

Open the back of the hand-held device and remove the old batteries. Then put two new 3V CR2016 Lithium batteries into the battery compartment and lock it.

7 Disposal

For the disposal of batteries, the 2006/66/EC directive of the European Parliament applies. Due to the contained pollutants, batteries must not be disposed of as household waste. They must be given to collection points designed for that purpose.

In order to comply with the EU directive 2012/19/EU we take our devices back. We either re-use them or give them to a recycling company which disposes of the devices in line with law.

If you have any questions, please contact PCE Instruments.

8 Contact

If you have any questions about our range of products or measuring instruments please contact PCE Instruments.

8.1 PCE Instruments UK

PCE Instruments UK Ltd
Units 12/13 Southpoint Business Park
Ensign Way, Southampton
Hampshire
SO31 4RF
United Kingdom

Phone: +44 (0) 2380 98703 0
Fax: +44 (0) 2380 98703 9
E-mail: info@industrial-needs.com

http://www.industrial-needs.com

8.2 PCE Americas

PCE Americas Inc.
711 Commerce Way suite 8
Jupiter / Palm Beach
33458 FL
USA

Phone: +1 561 320 9162
Fax: +1 561 320 9176
E-mail: info@pce-americas.com

http://www.industrial-needs.com