



Inductive Ignition Coil

Technical Spec

ECOTRONS LLC

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Note: If you are not sure about any specific details,
please contact us at info@ecotrons.com.

Product: **Ignition Coil**

Type: **EIGCN10**

Comment: All data given in this document are nominal values and might
be subject of change at all time

Index	Page	Revision	Date	Note
1	----	First Edition	4.8.2014	V1.0
2	----	Second Edition	7.11.2014	V1.1
3	----	Third Edition	2.17.2017	V1.2

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General Description

This ignition coil is inductive type. Usually, it is used in ignition system, and driven by ECU directly.

1 Characteristic

1.1 Ignition coil picture



1.2 Performance Characteristics

- 1) Minimum RPM limitation of firing: < 350 r/min
- 2) Working RPM range: 350r/min~11000r/min
- 3) Withstand voltage: The secondary peak voltage 35kV, without broken in continuously 1 minute.
- 4) Resistance between primary and secondary coil.

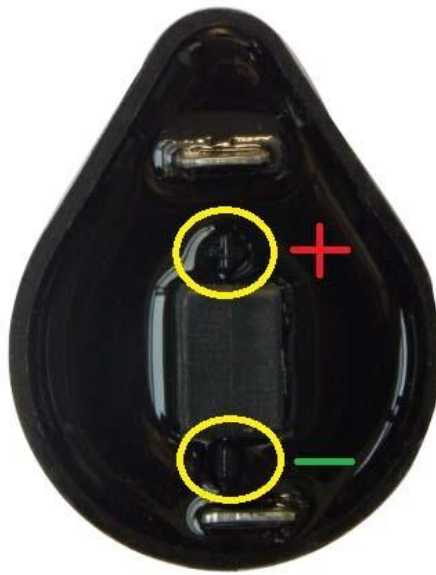
Measured with digital multimeter:	Primary coil $4.0 \Omega \pm 10\%$: Secondary coil: $18.5k \Omega \pm 10\%$
Measured with Digital inductance meter:	Primary coil: $6.7mH \pm 10\%$
Measured with bridge:	Secondary coil: $20H \pm 10\%$
- 5) Spark cap resistance: $5k \Omega \pm 10\%$
- 6) The secondary peak voltage: when the primary voltage is 200V, the secondary

voltage is higher than 22kV.

7) Without breakdown in continuously 30 seconds, 2500r/min.

8) Weight: 178g

1.3 Pin-outs definitions



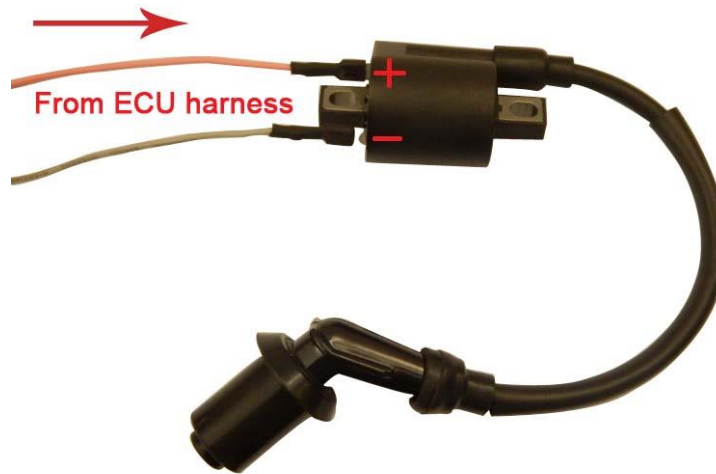
2 Applications and Installation instructions

2.1 typical applications

The ignition coil is usually used in engine's ignition system, and also is used in EFI system, driven by ECU directly.

2.2 Installation instructions

- 1) Connection with Ecotrons' EFI system



Connect the pink wire from harness to the power+ of coil
Connect the gray (or brown) wire from harness to the power- of coil.

2) Ignition coil installation.

You need to fix the coil on the chassis ground, to reduce the noise.



3 Diagnostics and Service

If the ignition coil doesn't work, please contact us: support@ecotrons.com

