

Features

- Collects the RPM signal from the high-tension output of most ignition coils.
- Very high temperature shielded cable.
- Small size.
- Industry standard mini sure-seal[®] connector.

Description

The detector outputs an electric signal when it senses a spark through the high-tension output of the ignition coil.

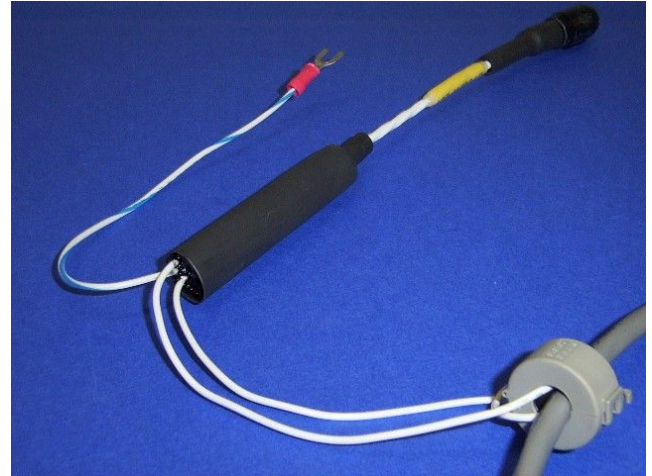
Specifications

- Operating temperature: -40°C to 85°C.
- Power supply: 11 to 24 VDC, < 5mA typ.
- Weight: 60 grams (2.12 oz).

Sensors	Engine Type
DTCSPK-201	Gasoline 2-strokes
DTCSPK-401	Gasoline 4-strokes

Installation

- Loop the white wire around the ferrite core a 2 or 3 turns. Clip the ferrite core around the high-tension spark plug cable. Attach the ferrite as close as possible to the spark plug for best results.
- Connect the white / blue wire to the engine's ground.
- Do not expose sensor to water, oil or fuel.
- Do not place sensor near sources of interference, such as electronic modules or antennas.
- Verify that cable is not trapped or stretched by surrounding moving parts.
- Do not bend cable with curvature radius less than 1.60" [40 mm].
- Protect sensor from extreme vibrations.
- Carefully align indexing rib when mating mini sure-seal[®] connectors.



Ferrite core installation.

Calibration

Name	DTCPSK
Predefined Equation	rpm
Units	RPM
Pulses per Revolution	*

* The number of *Pulses per revolution* should correspond to the number of sparks per engine revolutions going through the high-tension cable.