

IN-RPMsys-000

High noise level RPM signal detector

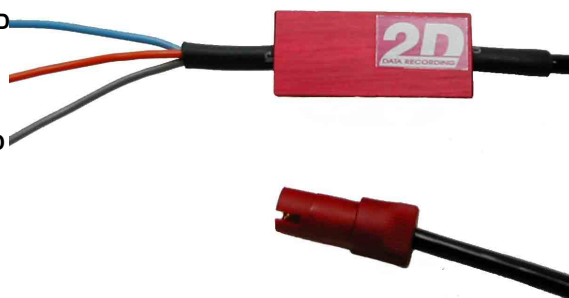
Function

- Sensor receives pulses from the primary ignition driver
- Sensor itself is galvanically isolated from the main electric and the ignition of the bike or car
- Specially built for RPM-signals with high noise level suppressing of spikes

High voltage GND

Signal

Low voltage GND



Technical specifications

Electrical characteristics

Supply voltage.....	5 V (Vcc)
Frequency range:	
standard.....	10 to 550 Hz
from serial n°99.....	10 to 800 Hz
Output signal amplitude.....	0 to V+
Input signal:	
low voltage.....	5-14 V
high voltage (at 1:5 duty cycle)	12 - ≈200 V
Input overload protection.....	± 500 V

Mechanical characteristics

Housing size.....	35 x 15 x 10 mm ³
Housing material.....	aluminium
Weight.....	30 g
Cable & Connector	options on customer request
type.....	PUR
wire cross-section.....	3 x AWG 24
length.....	800 mm
connector (standard).....	Binder 719 4-pin/m

Environmental data

Ambient operating range.....	-50 to +120 °C
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Ordering information

Art.No.:..... IN-RPMsys-000

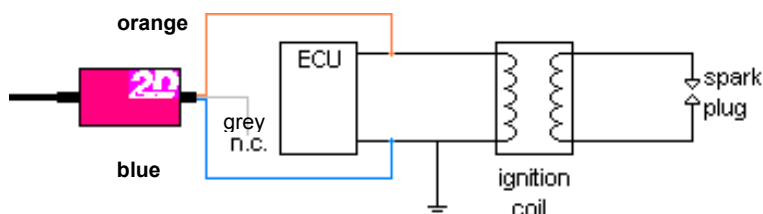
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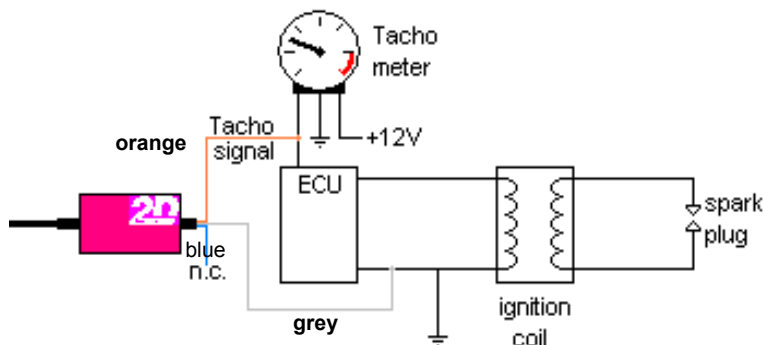
High noise level RPM signal detector

Installation advice (high voltage)



To pick up RPM-signal directly from the primary ignition driver **grey wire**. (n.c. = not connected protect this wire with shrink tube or tape !)

Installation advice (low voltage)



To pick up the RPM-signal directly from the tacho output signal (for standard E.C.U. e.g. superbikes, cars, street bikes...)
blue wire n.c. = not connected (protect this wire with shrink tube or tape !)

Connector layout

Connector type

Digital (standard)

Pin	Color	Name	Description
1	black	DGND	Digital Ground
2	red	+5V	Power supply
3	white	Signal	Digital signal
4		n.c.	Not connected

Digital-line
Binder 719, 4pin

Mating plug

Plug at module



Binder 719, 4 PF
(front side)



Binder 719, 4 PM
(front side)



Possible options concerning plug and cable on customer request !

Please note:

For the first order of special customer options please use the following order code: **IN-RPMsys-000**
After the first order you will get from 2D a uniquely order code for your next orders.

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