



## Digital Degree Wheel 4

*When the research creates perfection*



WE HAVE ALSO DESIGNED AND MADE THE MECHANICS AND THE ELECTRONICS OF THE ENCODER USING A NEW TECHNOLOGY IN ORDER TO ENSURE THE ACCURACY OF THE MEASURE

The Digital Degree Wheel is an electronic instrument, with digital reading, which is used for the measurement of the diagram phase of the 2-stroke engines and for the tuning up of the camshaft in the 4-stroke engines at the tenth of degree of precision. It is an essential instrument to know precisely the exhaust port and transfer ports diagram of 2-stroke engines and the degrees of opening and closing of the valves in the 4-stroke engines. The Digital Degree Wheel 4 has been designed and made with electronic components of high precision optimized to be used in the motorsport world. It has been created to replace the mechanical degree wheel and to resolve the problem of accuracy which is the main element for the tuning of the racing engines. The Prisma Electronics has continued the development of this instrument with this last version. In 1995, the Prisma Electronics made the first version and by the time it has become the benchmark for the measurement of the diagram of 2-stroke and 4-stroke engines.

The Digital Degree Wheel 4 reads 100 times per second the absolute position of the crankshaft in order to not miss also a hundredth of a degree of measurement. It is possible thanks to the mechanical and electronic features of the encoder and of the display unit which are completely designed by Prisma Electronics

### Developments of the Digital Degree Wheel



Digital Degree wheel  
1995



Digital Degree wheel 2  
2001



Digital Degree wheel 3  
2007



Digital Degree wheel 3 EVO  
2013

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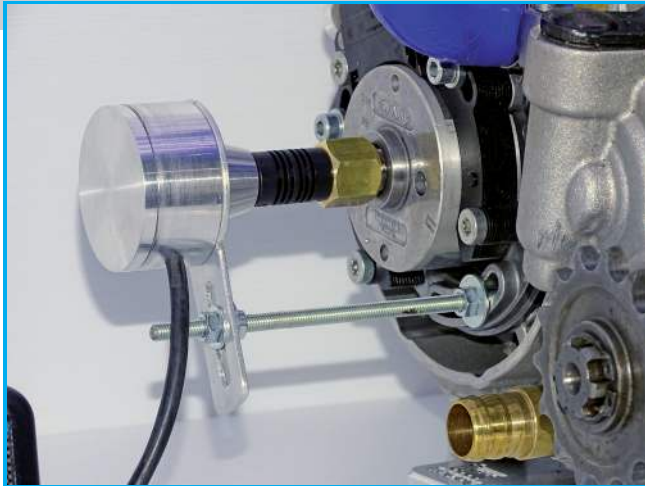
# RACING INSTRUMENTS

Get Ahead...

**PRISMA**  
ELECTRONICS

## TECHNICAL FEATURES

- Accuracy : +/- 0,1°
- **Camshaft modes : 0°-90°-0°-90°**
- Backlit display
- Aluminum billet encoder
- Brass adapters for crankshaft
- Power battery



( Rendering 3D )  
Encoder completely designed and  
made by Prisma Electronics



### Kit includes:

- 03 crankshaft adapters  
10x1 mm, 12x1mm, 12x1,25mm
- USB power supply
- USB adapter cable
- Instrument case
- Support for fixing to the engine

## ACCESSORIES



Foot reset switch

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[www.prismaelectronics.com](http://www.prismaelectronics.com)