



# INSTRUMENT CATALOGUE FOR ROTAX ENGINES

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## AVIASPORT S.A.

Suministros Aeronáuticos, Motores ROTAX  
C/ Almazara 11 - 28760 - Tres Cantos (Madrid)  
Tel: 91-803-77-11- Fax: 91-803-55-22  
[www.aviasport.com](http://www.aviasport.com)

## SHARED CHARACTERISTICS

This new range of instruments combines the accumulated experience of more than twenty years with the latest technology.

The result is new reliable, accurate and solid AVIASPORT instruments.

They have been designed for ROTAX engines and their display areas are divided into red, green and yellow zones in line with Rotax limits.

### RESOLUTION

The instruments use a pointer that turns 240°, which gives them great resolution.

### VARIETY

There is a large range of instruments with casings of different sizes: 80mm; 57mm and 52mm.

### FUNCTIONALITY

Many of our instruments can be fitted with a LED. When the engine is running within normal limits (in the green zone), the LED is switched off. If the needle moves into the yellow zone, the LED flashes and if it moves on to the red zone, the LED switches on.

If we install all the LEDs by the instrument panel, the pilot only needs to see a light switched on to know that there is a problem rather than checking instrument by instrument.

# TACHOMETERS

## Tachometer for Rotax Engines 912 and 914



Reference



LED

Resolution

IM 119

8 - 35 v

52 mm

yes

100 rpm

IM 105

8 - 35 v

57 mm

yes

200 rpm

IM 149

8 - 35 v

80 mm

yes

200 rpm

## Tachometer with LCD hourmeter for Rotax Engines 912 and 914



Reference



LED

Resolution

IM 533

8 - 35 v

80 mm

yes

100 rpm

In development

## Prop Tachometer for Rotax Engines 912 and 914



These instruments show the propeller rpm by calculating the engine rpm and dividing it by the gearbox ratio.

Reference



LED

Engine

IM 534

8 - 35 v

57 mm

–

912UL

IM 535

8 - 35 v

57 mm

–

912ULS / 914UL

## Tachometer for Rotax Engines 503 and 582 (Ducati)



Reference  
IM 104 - 2



\*



mm

57 mm

LED  
no

Resolution  
200 rpm

\* These instruments do not need external power supply.

## Rotor - Tachometer



These instruments have been designed for autogiros.

Reference



mm

LED

Resolution

IM 150

8 - 35 v

52 mm

yes

10 rpm

IM 130

8 - 35 v

57 mm

yes

10 rpm

## Sensor for Rotor - Tachometer



This inductive sensor or electronic proximity sensor detects metallic objects without touching them. It incorporates a led for easy adjustment.  
Note: it only works with alloys high in iron.



Reference IM 423

# OIL PRESSURE INDICATORS

## Oil Pressure Gauge for the 4...20 mA Sensor





Designed for the new 4...20mA sensor now fitted in all Rotax Engines

Reference	 Battery	 mm	LED	Units
IM 543	8 - 35 v	52 mm	yes	Bar
IM 542	8 - 35 v	57 mm	yes	Bar
IM 541	8 - 35 v	80 mm	yes	Bar

## Oil Pressure Gauge for the 4...20 mA Sensor





Designed for the new 4...20mA sensor now fitted in all Rotax Engines

Reference	 Battery	 mm	LED	Units
IM 546	8 - 35 v	52 mm	yes	PSI
IM 545	8 - 35 v	57 mm	yes	PSI
IM 544	8 - 35 v	80 mm	yes	PSI

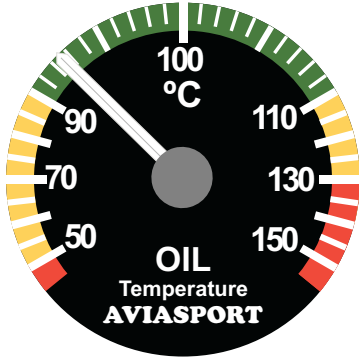
## Oil Pressure Gauge for VDO Sensor





Reference	 Battery	 mm	LED	Units
IM 532	8 - 35 v	52 mm	yes	Bar
IM 525	8 - 35 v	57 mm	yes	Bar
IM 526	8 - 35 v	80 mm	yes	Bar

# THERMOMETERS



## Oil Temperature Gauge (°C)



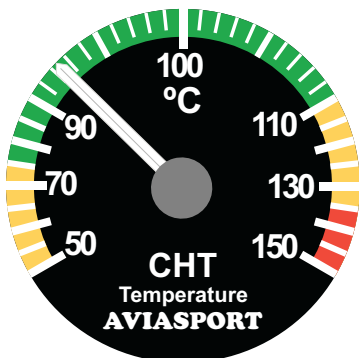
Reference	 Battery	 mm	LED	Engine
IM 559	8 - 35 v	52 mm	yes	912UL
IM 560	8 - 35 v	52 mm	yes	912ULS / 914UL
IM 527	8 - 35 v	57 mm	yes	912UL
IM 528	8 - 35 v	57 mm	yes	912ULS / 914UL



## Oil Temperature Gauge (°F)



Reference	 Battery	 mm	LED	Engine
IM 555	8 - 35 v	52 mm	yes	912UL
IM 556	8 - 35 v	52 mm	yes	912ULS / 914UL
IM 557	8 - 35 v	57 mm	yes	912UL
IM 558	8 - 35 v	57 mm	yes	912ULS / 914UL

## Cylinder Head Temperature Thermometer (°C)



Reference	 Battery	 mm	LED	Engine
IM 536	8 - 35 v	52 mm	yes	912UL
IM 537	8 - 35 v	52 mm	yes	912ULS / 914UL
IM 538	8 - 35 v	57 mm	yes	912UL
IM 539	8 - 35 v	57 mm	yes	912ULS / 914UL

## Cylinder Head Temperature Thermometer (°F)



Reference	Battery	mm	LED	Engine
IM 547	8 - 35 v	52 mm	yes	912UL
IM 548	8 - 35 v	52 mm	yes	912ULS / 914UL
IM 549	8 - 35 v	57 mm	yes	912UL
IM 550	8 - 35 v	57 mm	yes	912 ULS / 914UL

## Exhaust Gas Temperature Thermometer (°C)



Measure the temperature of two or four sensors, the needle shows the temperature of one exhaust, then six seconds later of another. The led indicates which exhaust is being read.

Reference	Battery	mm	LED	Engine
IM 551	8 - 35 v	57 mm	yes	912UL /ULS
IM 552	8 - 35 v	57 mm	yes	914UL
IM 553	8 - 35 v	80 mm	yes	912UL /ULS
IM 554	8 - 35 v	80 mm	yes	914UL

# VOLTMETER

## Voltmeter

High accuracy electronic voltmeter.



Reference	Battery	mm	LED
IM 561	8 - 16 v	52 mm	yes
IM 562	8 - 16 v	57 mm	yes