

For reliable measurement, control and indication of rotational speed



# Tacho generators

for accurate measurement of the rotational speed of motors and engines

No external power supply needed

Mechanical transfer of rotation

Shock resistant

Tested according to international standards



## Versatile rotational speed measurement

*RHEINTACHO* tachogenerators reliably measure the rotational speeds of motors. The rotation is mechanically transferred directly via a shaft to the sender. At the output of the sender there is an electric signal proportional to the rotation. The signal is then normally transferred to a *RHEINTACHO* indicator system. The senders are available with a normalized voltage, current or pulse output, which means that the right model can be chosen for a wide range of indicator and control units. *RHEINTACHO* also offers custom solutions adapted for the application.

Because of their sturdy and compact design and their electromechanical measuring procedure, tachogenerators are absolutely suitable for industrial applications and are used in plant construction and mechanical engineering, as well as in power and drive engineering, and above all in shipbuilding.

They can measure the rotational speeds of ships' engines, turbines, rotors, rollers or conveyor belts very reliably, even under the most demanding conditions, because this measuring method needs no external power supply. Even if the on-board supply fails completely, the tachogenerator continues to provide accurate readings.



### Scope of application

Production of plastic mouldings in connection with speed measurement on injection moulding machines.

Also the human eye can interpolate graduations on a dial surprisingly accurately. So an experienced operator gets more information from a dial than just a static reading. How many digital products nowadays incorporate an analogue element?



### Scope of application

Textile production measurement of speed and length.



### Scope of application

Printing machine usage for speed or length measurement.



## Accessories



Measuring wheel

Flange



Brackets

Spring couplings



### Technical data

Type of output	AC or DC
Generated voltage	Standard AC type: 20 V 66.6 Hz or 40 V 133.3 Hz/1000 rpm Heavy duty AC type: DgF 4.. or E3- ... for marine application 25 V 200 Hz or 63 V 133.3 Hz / 1000 rpm
Accuracy	Less than +/-1 %
Maximum speed	Standard AC type: up to 10,000 rpm Heavy duty type: up to 3,000 rpm DC type: up to 5,000 rpm
Mounting method	Base mount with bracket Flange
Features	Protective system IP54 Sea water resistant due to light metal housing Weather proof Customization of existing tacho generators on request. Nearly all connections are possible.

We are known as the specialists for customized solutions for rotational speed measurement. Less well-known is what our success is due to.

Rheintacho is a family-owned company and intends to remain as such. Our company policy is to foster familiarity among our employees: this means an inclusive approach, emphasizing that each employee has an equal part to play in the team as a whole.

Our employees feel at home in this atmosphere of acceptance and trust. A select team in which everyone has high-level technical expertise and a sense of responsibility.

With flat hierarchies, short routes and eye-level communication, we can fully concentrate on our priorities: customer satisfaction, innovation, flexibility, quality, efficiency, growth.

It is our goal to provide the best rotational speed measurement and control product at a competitive price for whatever requirement our customers may have. For this, there are other essential features as well: as much co-operation as possible, reliability and continuity.

Because we do this successfully, we approach our work with pleasure and passion – even under pressure. This is how we intend to continue growing, in a harmonious and sustainable fashion: in terms of employees, sales, innovation and challenges.

Find a challenge for us.



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



**RHEINTACHO Messtechnik GmbH**

Waltershofener Straße 1  
79111 Freiburg · Germany  
Tel: +49 (0)761 45 13 0  
Fax: +49 (0)761 44 52 74  
info@rheintacho.de  
www.rheintacho.de

**RHEINTACHO UK LTD**

Enterprise Court, Pit Lane  
Micklefield  
Leeds, LS25 4BU  
Tel: +44 (0)113 287 4411  
Fax: +44 (0)113 287 4422  
sales@rheintacho.co.uk  
www.rheintacho.com

