



# Mechanical ..... Tachometers



Economical Adaptability

# MECHANICAL TACHOMETER SYSTEMS... *Comprehensive op*

**The Foundrometers name has been established for more than 90 years**

during which the company has earned a reputation for the manufacture of instruments which can withstand harsh operating conditions whilst maintaining accuracy and giving long service. Today, supported by a network of overseas representatives, Foundrometers trades with major concerns and government departments world-wide.

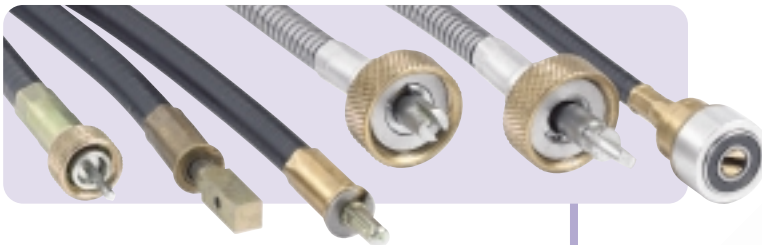
In the year 2000 Foundrometers merged with Rheintacho of Germany to create one of the worlds largest groups specialising in rotational speed measurement and control.

Ours is one of the few companies worldwide that manufacture a complete range of speed measurement and control instrumentation to provide a solution to any speed measurement application. From reverse engineering a single obsolete tachometer to the mass manufacture of custom designed sensors.



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and mounting opti  
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numbers c

## Comprehensive Connections...



### Remote Couplings

Enabling connections to be made at inaccessible or difficult points. To move indicators to a more appropriate position. To move indicators away from heat or extreme operating conditions.



### Direct Couplings

Spring couplings to take up shaft misalignment and start up shock. Mounting brackets and anti-vibration clamps etc.

## An Array of Connection Solutions



### Connections and Mountings

Any shaft configuration to international standards or customers specific requirements.

### Any Shaft Orientation





## What is a Mechanical Tachometer?

A purely mechanical instrument to give a display of rotational speed or values having a relationship to speed (i.e. baking hours, sheets per hour, etc.) at or near the point of measurement.

## Why use a Mechanical Tachometer?

A dependable robust form of speed indication which is cost effective and simple to maintain.

Where local indication of speed or speed related values are desirable for production operatives, or for quick visual monitoring of a production process.

Where electrical supply is not present or is unreliable or does not warrant the cost of a full electrical system.

Where the minimisation of electricity is desirable i.e. hazardous areas.

case sizes, styles  
ions. Dials can be  
engineering units,  
segments. Any tag  
or legend.

## Why choose Foundrometers?

Foundrometers has manufactured mechanical tachometers continuously for over 90 years. During this time, the company through successive generations has been confronted and solved virtually every application presented to it. Whatever your need is, Foundrometers will have something to meet your requirements or an instrument we can easily modify giving a quick and economical solution.

More than this, Foundrometers philosophy is not to have standard ranges but to individually engineer to customer requirements. So we never say "NO, that is not in our range".

## Reverse Engineering

Through preceding generations, mechanical tachometer manufacturers have discontinued production or gone out of business. This causes users problems when instruments need replacing. Foundrometers are very happy to help customers. Either provide us the specification or send the broken instrument to us and we will manufacture an interchangeable instrument, saving costly modifications to your installation and minimum disruption to your process.



## Rheintacho Group

A flexible, highly-efficient partner wherever speed must be measured, monitored or controlled. Innovation, the most modern production techniques and equipment, meticulous quality control along with a first-class workforce are the corner stones of our group.

For the past 100 years, we have used our extensive knowledge and experience to develop sensors, systems and customised solutions to meet our customer's requirements in a professional, cost-effective manner. Shown on the right, are several other products from our complete product range.



## Non-contact speed sensors

These enable speeds to be read with the highest accuracy in the most severe environment. Depending on the application, we can offer sensors with various measurement principles in a wide variety of styles and connection types.



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## Hand-held instruments

Our tried and tested hand-held instruments record rotational speeds and running length. There is a choice of non-contact measurement by means of light and a reflective mark applied on the object to be measured, or contact measurement with special attachments for various applications.



## Other Hand-held instruments

Our new hand-held stroboscope measures and tests rotational and vibrational movements even in places which are difficult to access. It does this without any encroachment whatsoever in the system to be tested. When the displayed strobe frequency equals the true speed, the moving part will appear stationary.



## Speed Monitor

The programmable speed monitor observes the movement of motors, machines, and systems. Because of its variety of functions and its variable programmable options, the speed monitor is flexible enough to fit in with various system requirements.



## Electrical Tachometers

Remote speed measurement and indicating equipment permits information on rotary or linear movement to be transmitted to observation points at almost any distance from the measuring point. An installation typically consists of a speed sensor in the form of a tacho-generator in conjunction with one or several indicators; the elements form a self powered system for which no main supply is required.

