

## NON-CONTACT ...

Transmission of the measuring signal takes place inductively, using an antenna pick-up and an induction loop around the shaft. The length of the induction loop can amount to 3000 mm, depending on the respective type. The rotor ring (induction loop with turn) is wrapped around the shaft. It provides a continuous guarantee of inductive energy supply and measuring data transmission.

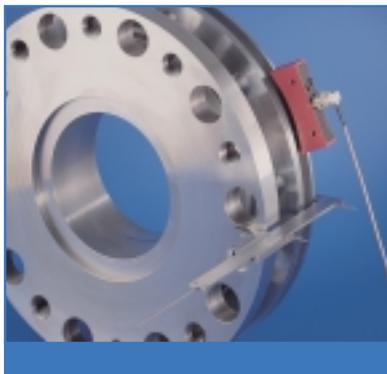
### The rotor ring can...

- be mounted by the customer
- be obtained from MANNER by the meter in various different profiles
- be obtained from MANNER as a custom-built massive ring (for long-term application)

For drive shaft applications the inductive coupler is equipped with two induction loops (stator and rotor one wind each). The distance between the rotor ring and the stator ring can amount to a maximum of 100 mm. The loops also come in massive ring versions.

### Trigger mark option

When measuring tasks are carried out on rotating shafts, the turning angle is often required so that the measuring signal can be assigned. A reference mark in the form of a defined pulse can be generated by the system without extra external components.



## EASY-MOUNT ROTOR INDUCTION LOOP

For universal measuring tasks a surface-mountable rotor ring profile is available by the meter. For assembly a section is cut from the roll that corresponds to the respective shaft diameter; the protective foil is then removed from the adhesive layer and stuck around the shaft. The ends are led to the sensor signal amplifier and soldered on. Alignment of any kind is unnecessary. The installation is thus operational within a very short time indeed, without any time limitation or the need for any batteries.

The profile consists of the rotor induction

loop with base material and the adhesive layer. It is only 3 mm high, and a mere 30 mm wide.

### For test-stands

For fatigue-strength installations, divisible rotor rings in massive design are available. The rotor rings are custom manufactured at the factory to suit the shaft diameter. The two shells are screwed down for subsequent assembly. The rotor electronics module can also be optionally mounted into the rotor ring.

