

*Accessories for Diesel Injection Pump Test Benches
Control Rack Travel Measuring Device*

RWM 2000



*Control rack travel measuring device with
magnetic encoder and optional
control rack travel holder*

Control Rack Travel Measuring Device

Special features:

- **Highly accurate, speed synchronous detection of the control rack travel on inline pumps**
- **Manual or fully automatic operation if linked to a computer**
- **Reduction of the adjusting time during test procedures**
- **Optimization of the cycle time**
- **Simple handling**
- **Digital display of the control rack travel**
- **Compact setup**
- **19" module for rack mounting**
- **High reliability**
- **Qualified for use in rough production environment**
- **Connection of an XY-recorder possible**

General:

The RWM 2000 is a device for the control rack travel measurement on Diesel inline pumps. The device consists of a magnetic incremental travel encoder and an evaluation unit. The travel sensor is fixed with the help of optional pump specific adapters to the corresponding pumps and is connected with the control rack of the pump. The signals of the encoder are processed by the evaluation unit and the corresponding value is shown on a 4-digit digital display. The RWM 2000 processes a speed input which is connected with the speed sensor of the injection pump test bench to record the control rack speed synchronously. Two analog outputs enable the monitoring of the output of the control rack over speed on an X/Y recorder.

Additional functions:

- alarm signal if speed and range limits are exceeded
- reset of the control rack by push button
- inversion of the control rack signal by switch

Technical data

Digital display		Outlets	
Resolution:	0.01 mm	Measuring values:	BCD Interface, open Collector
Incremental travel encoder		Control rack travel:	Analog output 0.244 V/mm
Measuring range:	0 - 25 mm	Speed:	Analog output 2.2 V/1000 rpm
Vibration stability:	up to 5 g	Speed encoder inlet	
Temperature range:	-10° - 50°C	Technical requirement:	>50 mV Uss 60 pulses/revolution
Travel speed:	max. 1.25 m/s.		
Accuracy:	+/- 0.01 mm		

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