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Managing Directors: Klaus Friedrich, Michael Friedrich
Amtsgericht Stuttgart HRB 783559
USt-ID-No.:DE35 0949 264

SDM 4000 RS-4 Tie Bar Measuring System Wireless



manufacturer : partnership

Product number:
SM3080

Description

Tie Bar Measuring System	
Model	SDM 4000 RS-4

Scale of delivery	
4 RS-measuring amplifier for battery mode	BTRS1
1 battery charger for RS-measuring amplifier	
1 charging cable 4-fold	
1 Netbook incl. charger	
1 measuring-software	
1 USB Memory Stick 4 GB	
1 measuring case	
1 manual	PDF-File on memory stick

Description

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RS-measuring amplifier BTRS1

The RS measuring amplifier is placed on the machine tie bar and pressed onto the tie bar surface by means of 2 magnets. When the machine is closed, the resulting strain (change in length) of the tie bar is measured by the built-in strain gauge sensor and the strain measurements are sent to the netbook via the integrated radio module of the RS measuring amplifier. The RS amplifier has a built-in lithium battery with large capacity and charging electronics.

Measuring software

The measuring software uses these values to calculate the load on the individual tie bars and the total closing force of the machine. These values are shown on the netbook display and are also stored in a measurement protocol which contains the date, time of measurement, machine number and mould number. The measurement reports are in EXEL format and can be easily further processed. A graphical measurement diagram is also generated, which can also be saved on a USB stick.

Netbook

11,6“ Netbook, LINUX operating system.

Application

Measuring the strain of tie bars and calculating the locking force of die casting machines and injection moulding machines.

Advantages:

- Reducing of tie bar breaks
- Control of the evenly distributed tie bar strain
- Consistend touching of ejector die and cover
- Consistend touching of ejector die and cover
- Reduction of flash
- Optimization of strain in the locking unit
- Wireless transfer (Bluetooth)
- Compact construction
- For all tie bar diameters (from 30mm)
- Also for rough tie bar surfaces
- High resolution 1 µm
- Full scale 0.5 mm

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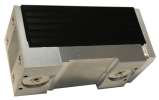
Delivery time	on request
Price	on request



Created on 27.11.2026
Subject to changes in the technical description and prior sale.