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Amtsgericht Stuttgart HRA
730953
USt-ID-No.:DE27 5268 755

# SDM 4000 RS-1 smart Tie Bar Measuring System Wireless

**manufacturer :** partnership

**Product number:**
SM3081

## Description

| Tie Bar Measuring System | |
|---|---|
| Model | SDM 4000 RS smart |

| Scale of delivery | |
|---|---|
| 1 RS-measuring amplifier for battery mode | BTRS1 |
| 1 battery charger for RS-measuring amplifier | |
| 1 charging cable | |
| 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

This version differs from the full version in that each column is measured one after the other.
The handling is simple and **smart**.

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:

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- 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

| | |
|---|---|
| Delivery time | on request |
| Price | on request |