

## SDM 4000 BT-8 Wireless Tie Bar Measuring System



Manufacturer: partnership  
Article-Nr.: SM3031

8 magnet extensometer sensors with 4 wireless sensor amplifiers, netbook, measuring software and battery charger in a measuring case

| Tie Bar Measuring System  |                                       |
|---|---------------------------------------|
| Model   | SDM 4000 BT-8                         |
| Scale of delivery   |                                       |
| 8 magnet extensometer sensors   | DMS 1 M                               |
| 4 wireless sensor amplifiers  | BTMV1                                 |
| 4 connection cables   | VMF (from DMS to FMD)                 |
| 1 battery charger   | BTLG4 with 4 connection cables        |
| 1 netbook   | 11,6" Display, Linux operating system |
| 1 USB-stick   |                                       |
| 1 measuring software  |                                       |
| 1 measuring case  |                                       |
| 1 manual  |                                       |
| Description   |                                       |
| <b>Magnet extensometer sensor DMS 1 M</b>   |                                       |
| Extensometer sensor with 1 clamping magnet and 4 steel-cutting wheels. When clamping the sensor on the tie bar of the die casting machine, the clamping force presses the cutting wheels into the surface of the tie bar. The strain of the tie bars after closing the die cast machine will be measured by the sensor over the 4 cutting wheels. |                                       |
| <b>Wireless amplifier BTMV1</b>   |                                       |
| The wireless amplifier with 2 clamping magnets will fixed on the tie bar. The extensometer sensor and the wireless amplifier is connected by cable. The values of these measuring are transmitted by the wireless amplifiers to the netbook.<br>For accumulator and battery operation.  |                                       |

### Measuring software

The measuring software calculates the strain of all 4 tie bars and the total locking force of the die casting machine, shows it at the PC display and stores it in a measuring protocol together with the time and date and also machine and tool number. Protocol-format is PDF and easy to transfer to other systems.

### Netbook

11,6 inch netbook with 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
- Consistent 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 0.0001 mm
- Full scale 0.1 mm

Credentials: on request

Delivery time

on request

Price

on request

Änderungen in der technischen Beschreibung und Zwischenverkauf vorbehalten.

### Weitere Bilder:



