

Display box, 4-channel DDBF 4-SM

Features

- 4-channel display box for Extensometer DSRM
- Display of peak, average or sum value of the activated sensors
- A/C or Battery operation
- Display in $\mu\epsilon$, kN, t
- 2 analog outputs
- Reset with keypad or *InspectMaster*



Electrical Data

Connection	4 channels for full bridge
Display	Average / peak value or sum / peak value of the activated channels
Measuring range	$\pm 1000 \mu\epsilon$ (calibrated)
Display range	$\pm 1200 \mu\epsilon$
Resolution	1 $\mu\epsilon$
Characteristic curve deviation	< 0,4% FS
Reset/operate offset	< 0,25% FS
Bridge resistor	min. 350 Ω
Reset	Zeroing is performed by pressing the reset button or by the software <i>InspectMaster</i>
Measuring rate	<i>InspectMaster</i> / analog output 250/sec
Analog output	± 1 V calibrated at $\pm 1000 \mu\epsilon$
Display refresh rate	2/sec
Battery	Maintenance-free Li-Ion battery
USB connection	USB 2.0, type B

Mechanical Data

Sensor connection	4 pin Binder (series 712)
Enclosure	Aluminum, lacquered

Environmental Conditions

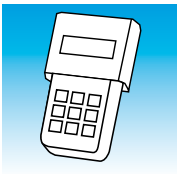
Operating temp. range	5...+50 °C
Storage temperature	-20...+60 °C
Protection class	IP 40

Order Code

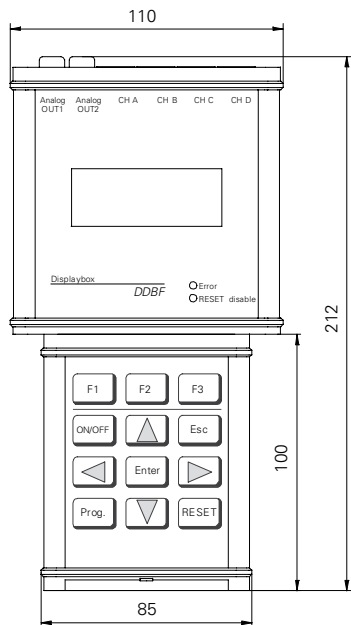
DDBF 4-SM

Delivery Contents

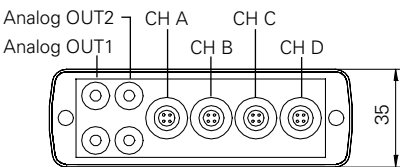
- Display box
- Power adapter (100 - 240 VAC)
- Software *InspectMaster*
- USB connecting cable
- Ground connection cable with clip



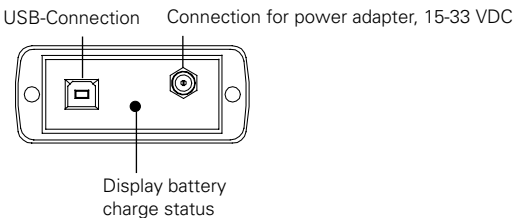
Dimensions (mm)



View Connector Side

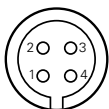


View Bottom Side, under the top cover



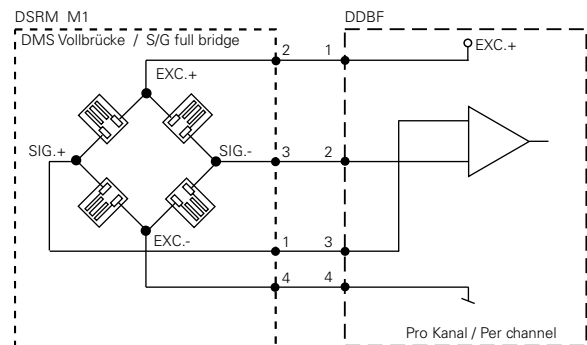
Electrical Connections

Sensor connection

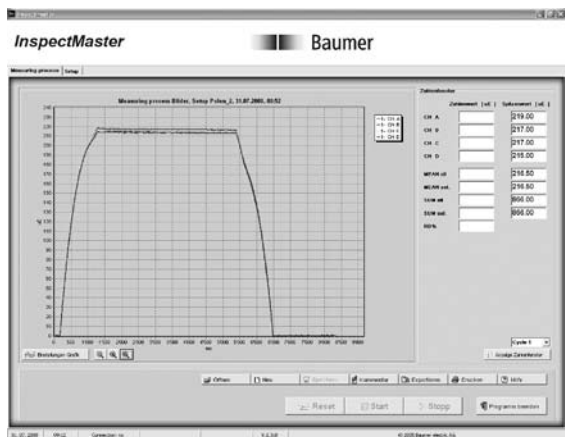


Pin	Signal
1	bridge EXC. +
2	bridge SIG. -
3	bridge SIG. +
4	bridge EXC. -

Bridge configuration per connector



Analysis Software *InspectMaster*



Functions:

- Display in $\mu\epsilon$, N, kN, t
- Display of deviation of tie bar load distribution in %
- Cycle function with auto reset mode
- Display of graphs
- Saving of measured data
- Export function (Text file may be exported and processed in Excel)

Requirements:

- PC with Windows, 2000, NT, XP
- minimum 500 MHz and USB interface required