

Measuring Amplifier

MBI 50.65



The amplifier MBI 50.65 is designed to operate inductive displacement transducers based on differential inductor or differential transformer principle. It is ideally suited for laboratory applications or mobile use.

- ↕ Transportable housing
- ↕ Rugged design with proven components
- ↕ Easy operation
- ↕ 4 $\frac{1}{2}$ -digit display with parallel BCD output

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Models

<u>MBI 50.65.xy</u>		
<u>Standard:</u>	4½-digit display 2 +	3..... 10 V-output; trimmers (±199,99)
<u>Options:</u>	4½-digit display 3 ++	1 10 V-output; 10-turn precision potentiometers + 8 4 ... 20 mA-output; trimmers + 9 4 ... 20 mA-output; 10-turn precision potentiometers

Specifications

MBI 50.65.xy general features

Power	230 VAC
Power connection	power cord, 2 m long
Dimensions	approx. 255x255x160 mm
Weight	approx. 4 kg
Operating temperature	0 ... 50°C
Storage temperature	-25 ... 85°C

Amplifier card MBI 50.25.xy

Compatible with	inductive transducers (differential inductor, differential transformer)
Required transducer signal	10 ... 400 mV/V
Output	±10 V; Option: 4 ... 20 mA
Excitation signal	approx. 10 kHz (trapezoidal)
Linearity error	< 0,1%
Temperature coefficient of zero	< 0,1% /10K
Temperature coefficient of span	< 0,2% /10K
Zero adjustment	approx. ±10 % F.S.O.; Option: up to ±100 %

For further information refer to MBI 50.25 Operation Manual.

Power supply MBI 50.44

Voltage:	±15 V	+5 V
Current:	100 mA	500 mA

Digital display MBI 50.62.x

	MBI 50.62.2	MBI 50.62.3
Display	LED; 14 mm; red	LED; 14 mm; red
Range	4½-digit display ±199,99	4½-digit display ±19,999
Conversation rate	3 / s	3 / s