

# BDA-200B, BDA-60B, BDA-10B Pneumatic Differential Pressure Deadweight Tester



- **Primary standard – Measurement range from 0 bar to 200 bar gauge and differential pressure**
- **Static pressure: user-defined from 0 to 200 bar**
- **Accuracy: 0.05% to 0.008% of reading**
- **Coil weight and weight bell jar for low balance point**
- **2-stage coil which requires low effort**
- **Fast connectors, no additional tools required**
- **Motorization for the piston rotation included**

*By DAkkS accredited laboratory according to DIN EN ISO / IEC 17025: 2018. The accreditation is valid only for the quantities listed in the accreditation scope. (Our Laboratory number is D-K-15055-01-00).*

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## Pneumatic differential pressure deadweight tester

Model	Measurement range		Standard accuracy
BA2-10	0.15 bar	to 10 bar	0.015 % of reading <sup>*)</sup>
BA2-60	1 bar	to 60 bar	0.015 % of reading <sup>*)</sup>
BA2-200	5 bar	to 200 bar	0.015 % of reading <sup>*)</sup>

<sup>\*)</sup> Other available accuracies: 0.008% of reading, 0.01% of reading and 0.05% of reading

### Transmission medium:

Clean and dry gas, i.e. nitrogen (the piston is air-lubricated at ranges <30 bar) d  
Supply connection G 1/4" on the back of the base unit

### Test connection:

Quick connector G 1/2" female, others are available upon request

### Placement:

4 adjustable feet and integrated level

### Motorization:

All areas can be motorized (115V/230V)

## Lowest possible measurement steps and number of masses

Model	Mass set	Masses in bar or kg/cm <sup>2</sup>		Masses in kPa		Weight of deadweight tester without masses
		Lowest possible measurement steps	Number of masses	Lowest possible measurement steps	Number of masses	
BDA-10B	2 x 16 kg	0.05	2 x 12	5	2 x 12	30 kg
BDA-60B	2 x 48 kg	0.5	2 x 10	50	2 x 10	30 kg
BDA-200B	2 x 32 kg	0.25	2 x 12	25	2 x 12	30 kg

### Optional accessories:

- Accredited calibration
- Storage box for deadweight tester
- Adjustment of the masses to the local gravity