

Bronto Loadman



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BRONTO LOADMAN is a lightweight portable device for measuring the bearing capacity of any kind of ground. The device can be used to measure the bearing capacity on roads, streets, bridges, construction sites, etc. The device is easy to handle and can be used practically on all materials under any conditions.

Measuring principle

The deflection caused by the load of a falling weight inside the device is measured by an accelerometer. The measuring results are given as the maximum deflection, the calculated bearing capacity modulus E , the length of the loading impulse and the percentage (approx.) of the rebound deflection compared to the maximum deflection. The loadman comes with the table of typical bearing capacities of different soil types versus loading pressures of Bronto aerial platforms.

Technical data

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|---------------------|-------------------------------|
| • Total weight | 16 kg |
| • Height | 117 cm |
| • Diameter | 13 cm |
| • Falling weight | 10 kg |
| • Falling height | 80 cm |
| • Operating voltage | 6 V (5 * 1,2V NiMH batteries) |
| • Measuring range | 0.1 – 5 mm |



Turn the device upside down with the handles to slide the falling weight to the upper end of the tube and get it attached to the magnet.

Put the device on the measuring spot in an upright position. The tube does not need to be in a completely vertical position, it is more important that the loading plate touches the ground completely.

Release the falling weight by briefly pressing the DROP button. The result is shown on the display. To reach the maximum accuracy it is recommended to repeat measurement in the same position until the measurement result is stable.

Compare the value with the table of loading pressures of Bronto aerial platforms.



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Technical data and illustrations subject to change without notice.

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