

► Collision measurement set PROBms – For standard-compliant human-robot collaboration

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The collision measurement set is used in the context of evaluating human-robot collaboration (HRC) and serves to measure force and pressure. In accordance with ISO 10218-1, ISO 10218-2 and ISO/TS 15066, in an HRC – which does not involve guards – limit values in a possible collision must be taken into consideration. The relevant measurements are therefore required in every HRC application. The collision measurement device PROBmdf is equipped with springs and corresponding sensors and measures the total forces acting on the human body, as well as the local pressure gauged using pressure indicating films, and compares these to the specified limit values. A convenient software tool is available to you for evaluating and digitising force measurements, and for generating test reports.

We offer you the PROBms set as part of a comprehensive rental concept. The rental concept also includes a one-day, practically oriented product training course and a sophisticated after-sales package. As well as routine maintenance and calibration, these arrangements include supplying you with the latest software updates.



Your benefits at a glance

- All-in-one rental concept for peace of mind
- Measurement of force and pressure
- Precise validation
- Practical application
- Standardised measurement method
- Realistic evaluation of workstations
- Easy to use thanks to convenient measuring elements
- Software with protocol tools – for straightforward evaluation, visualisation and documentation



Collision measurement set PROBms – High-performing, standard-compliant human-robot collaboration



PROBmdf

Technical features	<ul style="list-style-type: none"> ▶ Dimensions: 120 x 120 mm, height: 140 mm ▶ Diameter of active surface on cover: 100 mm ▶ Force measurement accuracy: 1 % of final value (+/- 5 N) ▶ Force measurement range: 0 to 500 N ▶ Operating temperature: 0 °C to 40 °C ▶ Service life: > 10⁶ measurements ▶ Integrated electronics for measurement processing ▶ USB interface for connection to a PC
Order number	<p>▶ PROBms set 686200</p> <p>Scope of PROBms rental concept:</p> <ul style="list-style-type: none"> - Measurement device, PROBmdf - Pressure indicating films - Scanner for evaluation of pressure indicating films - Springs - Software - One day of product training - After-sales package (maintenance, calibration, and software updates)

PROBms comes with convenient, practical components. This makes it versatile to use. Evaluation, visualisation and documentation are easily performed using the software supplied.