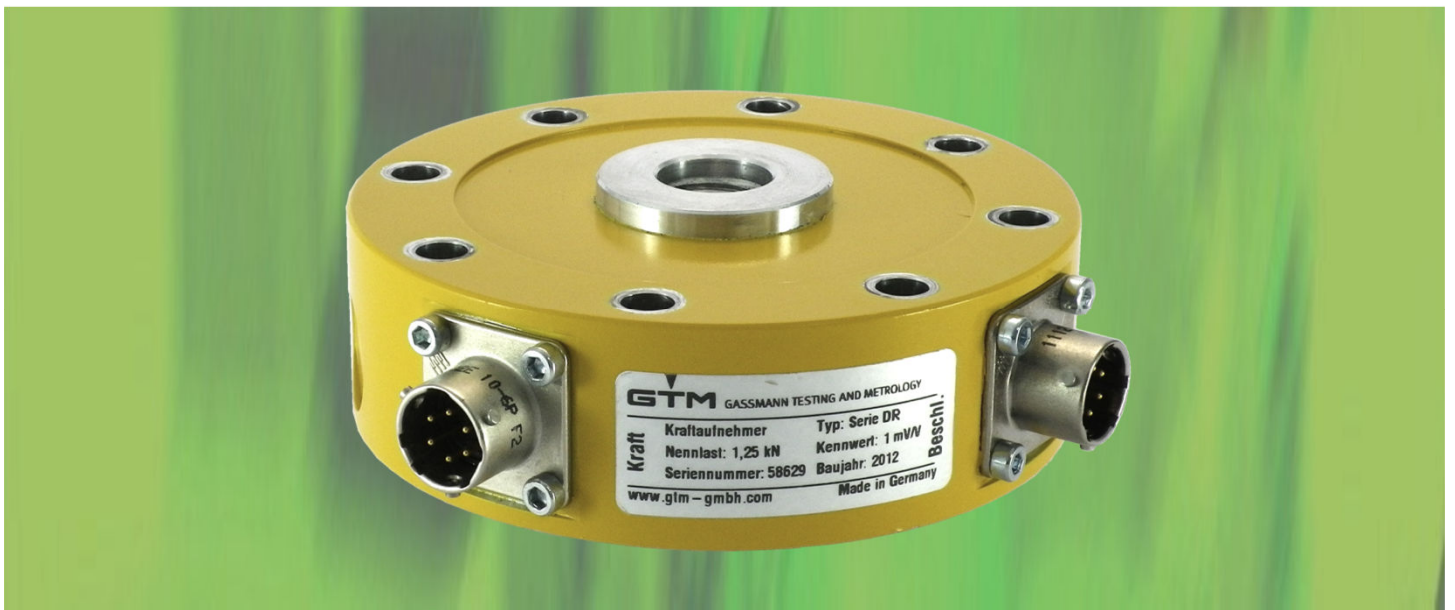


Force transducers Series DR and DR-F



The force transducer model series for
optimal compensation of inertial forces

- Accuracy class 0,04
- Two built-in accelerometers
- For static and dynamic tension and compression forces
- Fatigue resistance up to $\pm 100\%$ nominal load
- Six-wire system for uncompromising accuracy
- Optional redundant measuring bridge





Force transducers Series DR and DR-F

Properties and Features

Based on the shear stress principle, the force transducers offer a high stiffness and natural frequency for dynamic use. On this account each force transducer is equipped with two accelerometers of different nominal load.

The measurement of the acceleration takes place directly on the related moving mass of the force transducer. Hereby optimal conditions are given for the compensation of the inertial forces, which result from additional parts for the coupling of the test specimens.



Application areas

The DR and DR-F series force transducers are used especially in the dynamic testing of automotive and aerospace industries due to the low deformation and robustness. With the two different accelerometers the user enjoys complete flexibility and is well prepared for future test jobs.

The application areas extend from a fixed installation in dynamic testing machines to the varying applications in the test facilities of the industry - from materials to structural testing.



Versions

Base plates for an easy adaptation are available.

All force transducers of the series can be optionally equipped with a second redundant measuring bridge keeping the same specification, an important requirement for testing in aerospace industry.

GTM
Testing and Metrology GmbH
Philipp-Reis-Str. 4-6
64404 Bickenbach
Germany



www.gtm-gmbh.com
contact@gtm-gmbh.com
Tel.: 0049 6257 9720-0
Fax.: 0049 6257 9720-77