Portable high-precision calibrator and tester

for mechanical and electrical measurements

TRANS CAL 7281

burster

Performance profile

- Device test /
  Strain gauge simulator
- Reference measurement chain
- Sensor test

burster TEDS

Supported sensors

Poti

±10V

Device test/ Strain gauge simulator

Infinitely adjustable simulation values:
up to ± 50 mV/V, up to 10 VDC
Measurement: U_{supply} up to 10 VDC

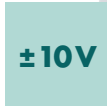### Reference measurement chain

combined with a reference sensor

Sensor test

R_i, R_a, Shunt, R_{ISO}

Precise calibration in one hand

Our mobile high-precision calibrator and testing device is the smart, robust and traceable solution for your calibration requirements. With TRANS CAL 7281, you or our experts can perform mobile, on-site calibrations with high accuracy and without dismantling.

- Linearity < ± 0.001 % F.S.
- Automatic sensor recognition burster TEDS
- Practical calibration software
- DAkkS calibration certificate on request

Smart, robust, traceable and precise ...

Precision force check of electrical, mechanical or hydraulic presses

- Maximum precision and traceability even under on-site conditions.

- Designed for industrial use also in harsh environments (excellent display backlighting, rugged case, battery-supplied amongst other features).

- OK/NOK evaluation of measurement values, data readout of actual values and evaluation results from the data logger using DigiCal software.

- Reference load cell in line with the flux of force ensures optimum comparative measurements in difficult-to-access locations. Sensor and device hardware can be checked separately.
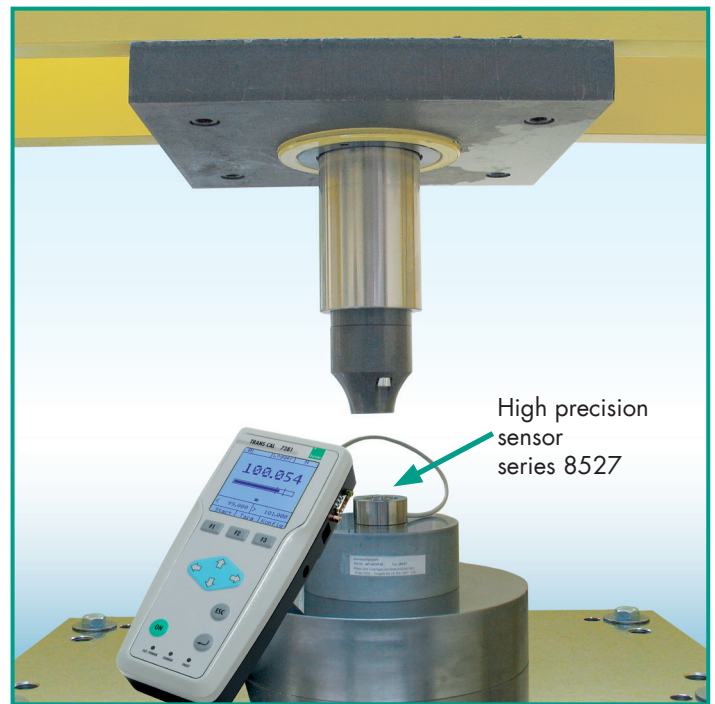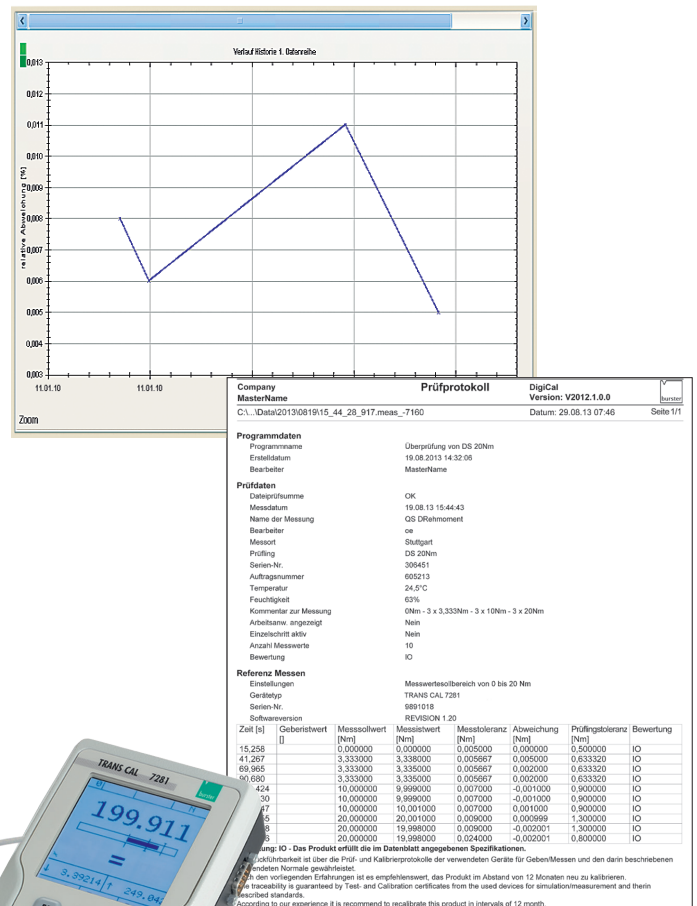

High precision sensor series 8527

DigiCal testing and calibration software: creating your own test certificate

Export in Excel for further processing

Measurement actual value in N	Measurement tolerance in N	Evaluation
0.00	0.0011	OK
1667.10	0.1677	OK
3333.60	0.3345	OK
5000.20	0.5011	OK

Quality testing for torque wrenches

- Regular testing involves measuring the release torque (click wrench). TRANS CAL 7281 also detects the release peak values at a measurement rate of ≤ 1200/s. Multiple measurements/evaluations easily possible for each set release torque.

- Stores logged measurement values or quality-relevant data, which can be read using the optional DigiCal calibration software (statistical analysis MIN/MAX –MEAN VALUE – STANDARD DEVIATION).

- Measurement values from up to four sets of manually recorded data can be displayed in parallel as a table and graph. This can be useful, for instance, as an easy way to compare and document release torques of torque wrenches.

Torque sensor series 8628

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