

Mobile High Precision Calibration and Testing Device

for mechanical and electrical values

TRANS CAL 7281



Supported sensors

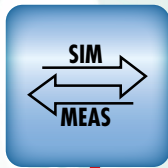


Hardware check

Stepless adjustable simulation:

up to 3 mV/V, up to 10 VDC

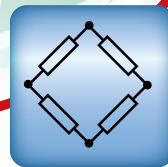
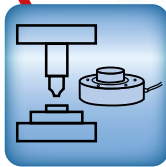
Measurement: U_{supply} up to 10 VDC



**BRAND
NEW**

- Linearity $\leq 0.001\%$ F.S.
- Automatic sensor recognition
- Practical calibration software
- DAkkS calibration certificate by request

Measuring chain



Sensor test

R_i , R_a , Shunt, R_{150}

Smart, robust, traceable and precise ...

Simply unrivalled!

MTS Messtechnik Schaffhausen GmbH

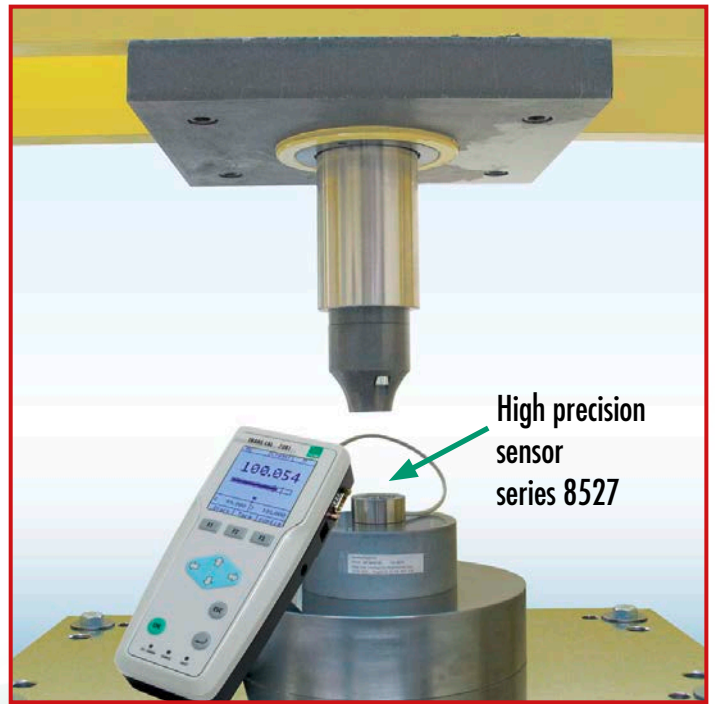
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Messen Prüfen Automatisieren www.mts.ch

TRANS CAL 7281

Precise validation of electrical, mechanical or hydraulic presses

- Highest precision and traceability under different conditions, also for on-site operation.
- Industrial-strength design, utilization even under rough conditions possible (due to the brilliant backlighting, robust housing, battery-supplied operation, etc.).
- OK/NOK evaluation of measurement values, readout of actual values from data logger and validation results by using the software DigiCal.
- The reference load cell inserted in line with the flux of force ensures an ideal reference measurement even in hard-to-access areas. Separate sensor and hardware checks are possible.

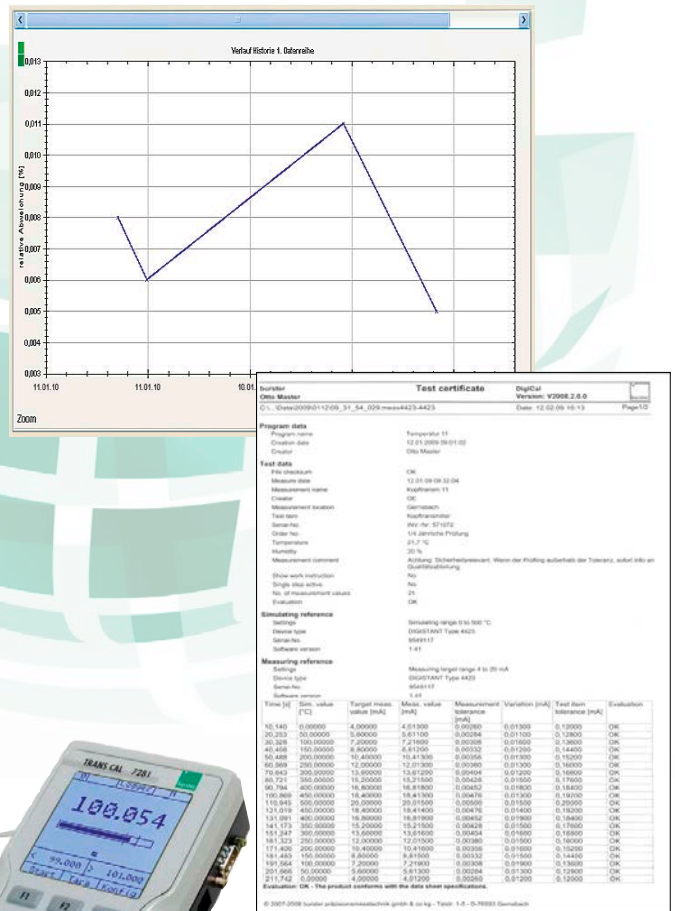


High precision sensor series 8527

Testing and calibration software DigiCal: Creating your own test certificate

Export to Excel for further processing

Actual measures in N	Measuring 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 test of torque wrenches

- Regular validation needs a determination of the precise release torque (click wrench). TRANS CAL 7281 records even the release peak with a measuring rate of $\leq 1200/s$. Multiple measurements/validations of every adjusted release torque are easily possible.
- Storage of logged measurement values or quality-relevant data which are recorded by the calibration software DigiCal (statistical evaluation of MIN/MAX – AVERAGE – STANDARD DEVIATION).
- Up to 4 measurement values of the torque wrench can be compared by aid of the history viewer. The detection and determination of the measured values identifies the spread of the measurement values and threshold triggers over a defined period of time.



Precision torque sensor series 8628