

Mobile Display Device

TRANS CAL 7270 **NEW**



Case 7270-Z001

Highlights

- Easy to operate
- For all load cells, pressure sensors and torque sensors based on strain gages
- Tare function
- Excellent value for money
- Built-in charge controller

Applications

- Test mechanical components and machines in production
- Support for servicing, commissioning and maintenance work on electromechanical and hydraulic equipment
- Mobile comparative measurements with existing measuring instruments

Product description

The 7270 TRANS CAL can run on standard or rechargeable batteries for portable use or from an external power supply.

The handy model 7270 digital indicator supports load cells, pressure sensors and torque sensors based on strain gages.

The 14 mm high display shows the current measured value.

The TARE function allows any base load that may be present to be zeroed. The clear, well organized control structure enables quick and easy configuration of the TRANS CAL.

The 7270 is equipped with a charge state indicator.

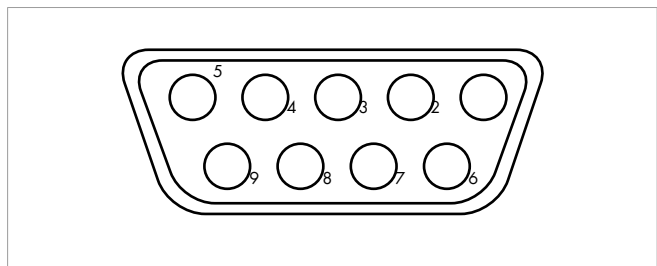
Technical Data

Device		
Accuracy		±0.25 F.S.
Measuring rates		5/s
Display range		LCD ±19999
Units		N/kN/MN/bar/mbar/mNm/Nm/kNm
Zero point setting		manual (tare function via buttons)
Sensor parameter sets		1
Sensors (strain gage full bridge)		
Excitation voltage		5 V
Connection type		4 wire technology
Input impedance		120 Ω ... 1 kΩ
Measuring ranges		±10 mV/±20 mV
AD conversion		Sigma-Delta 16 Bit
Max. measuring rate		5/s
General data		
Supply voltage		12 V DC
Capacity		0.5 W (with connected full bridge strain gage)
Battery operation		approx. 10 hours (1300 mAh NiMH battery) / approx. 6 hours 1500 mAh (alkaline battery)
Operating temperature range		0 ... +40 °C
Storage temperature range		-20 ... +60 °C
Protection class		IP41
Dimensions		180 mm x 100 mm x 45 mm
Weight		370 g
Connections		D-SUB 9 pin female connector (sensor connector) hollow socke 2.1 mm/5.5 mm, 10 mm length (voltage supply)

Electrical termination

Pin assignment

Pin	Function
1	+ Excitation, strain gage
2	
3	
4	
5	- Excitation, strain gage
6	+ Input signal strain gage
7	
8	
9	- Input signal strain gage



Scope of delivery

- TRANS CAL 7270
- Test certificate
- 4 x battery 1.2 V 1300 mAh (or comparable) or Alkaline battery
- Power supply 85 - 265 VAC, 47 ... 63 Hz / 12 VDC 600 mA

Accessories

Order Code		
7270-Z001		Case
9900-V209		Connectors 9 pin

Calibration device

Standard factory calibration certificate for instrumentation amplifiers (WKS)		
Optionally available		Our standard factory calibration certificate includes 11 measurement points, starting at zero, spread evenly in 20% steps over a measuring range.
Special factory calibration certificate for instrumentation amplifiers (WKS)		
On request		We are happy to calibrate instrumentation amplifiers to the customer's specification.
German-accredited DAkkS calibration certificate for instrumentation amplifiers (DKD)		
Optionally available		Our DAkkS-certified calibration laboratory provides calibration certificates. The calibration certificate includes 21 measurement points, starting at zero, spread evenly in 10% steps over a measuring range

Calibration for measurement chains

Standard factory calibration certificate for measurement chains (WKS)		
Optionally available		Our standard factory calibration certificate includes 11 measurement points, starting at zero, spread evenly in 20% steps over the full measuring range, for increasing and decreasing load under the same installation conditions. Factory calibrations can be performed in the compression and/or tension direction depending on the sensor type.
Special factory calibration certificate for load cells or measurement chains (WKS)		
On request		We are happy to calibrate sensors and measurement chains to the customer's specification.
German-accredited DAkkS calibration certificate for sensors and measurement chains (DKD)		
Optionally available		Our DAkkS-certified calibration laboratory provides calibration certificates to DIN EN ISO 376. The calibration certificate includes 21 measurement points, starting at zero, spread evenly in 10% steps over the measuring range, for increasing and decreasing load under various installation conditions. DAkkS calibrations can be performed in the compression and/or tension direction depending on the sensor type

Order Code

Order Code		
7270		TRANS CAL Typ 7270