



# Sensor tester

## ST 04



- Two LEDs (NPN/PNP) for displaying the switching state
- Test areas on the device: magnet, reflection, induction
- Suitable for ultrasonic sensors
- Usable for 3- and 4-wire sensors in NPN- and PNP-technique as well as with push-pull outputs
- Easy connection due to quick-action clamp terminals
- Optical and acoustical indication
- Impact protection by means of removeable silicone sleeve

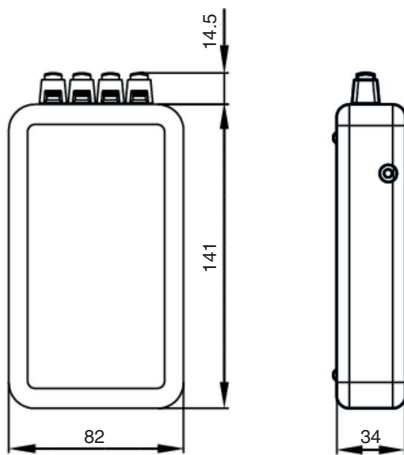
Sensor tester



### Function

The sensor tester is suitable for function testing of all 3- and 4-wire PNP and NPN DC sensors as well as with push-pull outputs. Power is supplied to the sensor via quick-action clamp terminals. Sensors with two switch outputs are tested by connecting the signal lines successively to terminal [IN]. When the sensor output switches, this is displayed by a LED and indicated as well by a buzzing tone. By means of the TEACH pushbutton sensors with a remote teach function can be tested. As long as TEACH is pushed terminal [T] supplies a voltage of 18 V. Due to the high output load capacity ultrasonic sensors or similar devices can also be connected. The automatic On/Off function prevents unnecessary use of energy and makes operation simple.

### Dimensions



### Technical Data

Indicators/operating means		
Control elements		membrane keys : ON / OFF TEACH
LED green		operating
LED yellow		switching state
Electrical specifications		
Operating voltage	$U_B$	input voltage 4.5 V DC input voltage 12 V DC with Power supply output voltage 18 V DC
No-load supply current	$I_0$	40 mA
Current loading capacity		max. 60 mA battery operated , 240 mA with Power supply

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## Technical Data

<b>Conformity</b>	
Degree of protection	EN 60529
<b>Ambient conditions</b>	
Ambient temperature	-20 ... 40 °C (-4 ... 104 °F)
<b>Mechanical specifications</b>	
Degree of protection	IP21
Connection	4x quick-action clamp terminal brown L+ black IN white TEACH blue L-
<b>Material</b>	
Housing	black ABS
Protective sleeve	silicone
Mass	394 g
<b>Dimensions</b>	
Height	141 mm
Width	82 mm
Depth	34 mm
<b>General information</b>	
Note	suitable for PNP , NPN and sensors with Push-pull (4 in 1) output
Scope of delivery	1x Sensor tester , 1x silicone protective sleeve
<b>Accessories</b>	
Optional accessories	Sensor connecting cables CBL-SET-ST 04 Power supply 12 V DC, barrel connector outer Ø 3.5 mm, inner Ø 1.5 mm
Necessary accessories	3x battery size AA 1.5 V (not included with delivery)

## Connection Assignment

