

## TECHNICAL DETAILS – testo 521

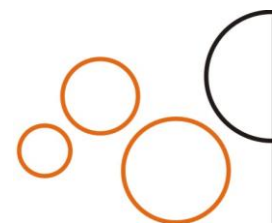
Temperature - NTC	
<b>Measuring range</b>	-40 to +150 °C
<b>Accuracy</b>	±0.2 °C (-10 to +50 °C)* ±0.4 °C (Remaining Range)*
<b>Resolution</b>	0.1 °C

\*Accuracy information applies only to instrument without probes connected

Temperature - TC Type K (NiCr-Ni)	
<b>Measuring range</b>	-200 to +1370 °C
<b>Accuracy</b>	±0.4 °C (-100 to +200 °C)* ±1 °C Remaining Range*
<b>Resolution</b>	0.1 °C

\*Accuracy information applies only to instrument without probes connected

Differential pressure (internal sensor) - Piezoresistive	
<b>Measuring range</b>	0 to 100 hPa
<b>Accuracy</b>	±0.2 % of fsv
<b>Resolution</b>	0.01 hPa
<b>Static pressure</b>	1000 hPa (abs)



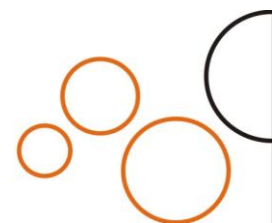
Differential pressure (internal sensor) - Piezoresistive	
<b>Overload</b>	300 hPa
<b>Zeroing</b>	to 2.5 hPa
Differential pressure (external probe) - Piezoresistive	
<b>Measuring range</b>	0 to 2000 hPa
<b>Accuracy</b>	±0.1 % of mv*
<b>Resolution</b>	0.1 Pa (0638 1347) 0.01 hPa (0638 1547) 0.001 hPa (0638 1447) 0.1 hPa (0638 1847 / 0638 1647)

\*Accuracy information applies only to instrument without probes connected

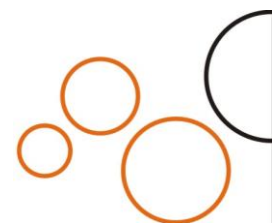
Differential pressure (external probe) - Ceramic	
<b>Measuring range</b>	-1 to 400 bar
<b>Accuracy</b>	±0.2 % of fsv*
<b>Resolution</b>	0.01 bar

\*Accuracy information applies only to instrument without probes connected

General technical data	
<b>Dimensions</b>	219 x 68 x 50 mm



General technical data	
<b>Operating temperature</b>	0 to +50 °C
<b>Product-/housing material</b>	ABS
<b>Channels</b>	2 external; 1 internal
<b>Measuring rate</b>	0.04 s
<b>Connection</b>	Hose: inner Ø 4 mm outer Ø 6 mm
<b>Battery type</b>	9 V (6LR61)
<b>Battery life</b>	Continuous operation w/ internal pressure sensor: 30 h; With rech. battery: 10 h; With carbon battery: 18 h
<b>Display type</b>	LCD
<b>Display function</b>	7 segment display and point matrix
<b>Display update</b>	2x per second, in fast measurement 4x per second
<b>Power supply</b>	Battery/Rechargeable battery,Mains unit 12 V
<b>Interface</b>	RS232
<b>Memory</b>	100 kB; 25,000 measuring values
<b>Storage temperature</b>	-20 to +70 °C



General technical data	
<b>Weight</b>	300 g

