

SYNOR 1809 - SYNOR 4209




SYNOR 1809
SYNOR 4209

- ✓ AC/DC dielectric strength test (Synor 4209)
- ✓ insulation measurement (Synor 4209)
- ✓ four wires continuity
- ✓ shielding detection
- ✓ functional testing
- ✓ component testing
- ✓ multi-lingual software
- ✓ easy to use interface

Applications :

Aerospace, aeronautics, car, train, telecommunications, household, military, connectors, medical

“ Mainly orientated for manufacturing, maintenance and repair in rough environment,

this tester can also be driven by wireless radio system “

	SYNOR 1809	SYNOR 4209
Relay type	analog gates	unitary or multi-contact relays
Presentation		robust mobile enclosure
Nber of points / switching board	64 pts in 2 wires mode, 32 pts in 4 wires mode	128 pts (500 V), 64 pts (2000 V)
Possible extension racks	8 or more according to output connector type	24
Maximum number of points	64 000	50 000
2000 V and 500 V card mixture	-	yes
AC hipot test (option)		
AC voltage range	-	20 V up to 1500 V at 50 Hz
Breakdown current detection	-	500 μ A up to 10 mA
Rise time / hold time	-	500 ms up to 99 s / 20 ms up to 99 s
DC hipot test		
DC voltage range	-	20 V up to 500 V DC or 2000 V DC
Breakdown current detection	-	500 μ A up to 10 mA
Rise time / hold time	-	10 ms up to 99 s / 10 ms up to 99 s
Insulation		
DC voltage range	-	20 V up to 2000 V DC
Rise time / hold time	-	10 ms up to 99 s / 10 ms up to 99 s
500 V range, accuracy	-	50 k Ω up to 1 G Ω , 5%
2000 V range, accuracy	-	50 k Ω up to 2 G Ω , 5%
2 & 4 wire continuity		
DC current range	see resistance measurement below	10 mA to 2 A
Hold time	-	6 ms to 99 s
Resistance range (2 wires)	-	1 Ω up to 250 Ω , \pm 2%
Resistance range (4 wires)	-	5 m Ω up to 250 Ω , \pm 2%
Generator voltage (in open circuit)	-	5 V up to 20 V
Continuity - short-circuits		
Resistance range	100 Ω up to 900 Ω , \pm 10%	1 Ω up to 250 Ω , \pm 5%
Generator voltage (in open circuit)	9,5 V	5V up to 20 V
Resistance measurement		
Resistance range, accuracy	100 m Ω (4 wires) / 10 Ω (2 wires) up to 10 M Ω , \pm 5%	100 m Ω (4 wires) / 1 Ω (2 wires) up to 10 M Ω , \pm 2%
Hold time	< 100 μ s	6 ms to 99 s
Automatic current ranges	250 μ A to 10 mA	1 μ A up to 10 mA
Diode		
Voltage limit, accuracy	100 mV up to 20 V, \pm 5%	100 mV up to 90 V, \pm 10%
Current generator	10 mA	10 mA up to 2 A
Capacitance		
Capacitance limit, accuracy	100 pF up to 100 μ F, \pm 5%, \pm 10 pF	100 pF up to 100 mF, \pm 10%
DC Voltage		limited at 5 V
Automatic current ranges	250 μ A to 10 mA	1 μ A up to 10 mA
Capacitance limit, accuracy	-	100 pF up to 2 mF, \pm 10%
AC Voltage (option)	-	Limited at 450 mV - 100 Hz, 1 kHz, and 10 kHz automatic ranges
Inductance		
Inductance limit, accuracy	-	100 μ H up to 2 H
Shielding measurement		
Capacitance limit, accuracy	100 pF up to 100 μ F, \pm 5%, \pm 10 pF	100 pF up to 100 μ F, \pm 5%
Current range	-	automatic
Voltage		limited at 5 V
Automatic current ranges	250 μ A to 10 mA	1 μ A up to 10 mA
Other specifications		
Dimensions (W x H x D)	560 x 260 x 500	560 x 300 x 500
Weight	10 kg	12 kg