

## GOM-804 / GOM-805 Specifications

The specifications apply when the GOM-804 / GOM-805 is powered on for at least 30 minutes.



	GOM-804	GOM-805																																																
<b>DISPLAY</b>																																																		
	50,000 counts																																																	
<b>SAMPLING RATE</b>																																																		
Slow	10 readings / s																																																	
Fast	60 readings / s																																																	
<b>RESISTANCE MEASUREMENT</b>																																																		
	<table border="1"> <thead> <tr> <th>Range</th> <th>Resolution</th> <th>Test Current</th> <th>Accuracy</th> </tr> </thead> <tbody> <tr> <td>5mΩ</td> <td>0.1μΩ</td> <td>1A</td> <td>± (0.1% of reading + 0.2% of range)</td> </tr> <tr> <td>50mΩ</td> <td>1μΩ</td> <td>1A</td> <td>± (0.1% of reading + 0.02% of range)</td> </tr> <tr> <td>500mΩ</td> <td>10μΩ</td> <td>100mA</td> <td>± (0.05% of reading + 0.02% of range)</td> </tr> <tr> <td>5Ω</td> <td>100μΩ</td> <td>100mA</td> <td>± (0.05% of reading + 0.02% of range)</td> </tr> <tr> <td>50Ω</td> <td>1mΩ</td> <td>10mA</td> <td>± (0.05% of reading + 0.02% of range)</td> </tr> <tr> <td>500Ω</td> <td>10mΩ</td> <td>1mA</td> <td>± (0.05% of reading + 0.008% of range)</td> </tr> <tr> <td>5kΩ</td> <td>100mΩ</td> <td>100μA</td> <td>± (0.05% of reading + 0.008% of range)</td> </tr> <tr> <td>50kΩ</td> <td>1Ω</td> <td>100μA</td> <td>± (0.05% of reading + 0.008% of range)</td> </tr> <tr> <td>500kΩ</td> <td>10Ω</td> <td>10μA</td> <td>± (0.05% of reading + 0.008% of range)</td> </tr> <tr> <td>5MΩ – GOM-804</td> <td>100Ω</td> <td>1μA</td> <td>± (0.2% of reading + 0.008% of range)</td> </tr> <tr> <td>5MΩ – GOM-805</td> <td>100Ω</td> <td>1μA</td> <td>± (0.5% of reading + 0.008% of range)</td> </tr> </tbody> </table>		Range	Resolution	Test Current	Accuracy	5mΩ	0.1μΩ	1A	± (0.1% of reading + 0.2% of range)	50mΩ	1μΩ	1A	± (0.1% of reading + 0.02% of range)	500mΩ	10μΩ	100mA	± (0.05% of reading + 0.02% of range)	5Ω	100μΩ	100mA	± (0.05% of reading + 0.02% of range)	50Ω	1mΩ	10mA	± (0.05% of reading + 0.02% of range)	500Ω	10mΩ	1mA	± (0.05% of reading + 0.008% of range)	5kΩ	100mΩ	100μA	± (0.05% of reading + 0.008% of range)	50kΩ	1Ω	100μA	± (0.05% of reading + 0.008% of range)	500kΩ	10Ω	10μA	± (0.05% of reading + 0.008% of range)	5MΩ – GOM-804	100Ω	1μA	± (0.2% of reading + 0.008% of range)	5MΩ – GOM-805	100Ω	1μA	± (0.5% of reading + 0.008% of range)
Range	Resolution	Test Current	Accuracy																																															
5mΩ	0.1μΩ	1A	± (0.1% of reading + 0.2% of range)																																															
50mΩ	1μΩ	1A	± (0.1% of reading + 0.02% of range)																																															
500mΩ	10μΩ	100mA	± (0.05% of reading + 0.02% of range)																																															
5Ω	100μΩ	100mA	± (0.05% of reading + 0.02% of range)																																															
50Ω	1mΩ	10mA	± (0.05% of reading + 0.02% of range)																																															
500Ω	10mΩ	1mA	± (0.05% of reading + 0.008% of range)																																															
5kΩ	100mΩ	100μA	± (0.05% of reading + 0.008% of range)																																															
50kΩ	1Ω	100μA	± (0.05% of reading + 0.008% of range)																																															
500kΩ	10Ω	10μA	± (0.05% of reading + 0.008% of range)																																															
5MΩ – GOM-804	100Ω	1μA	± (0.2% of reading + 0.008% of range)																																															
5MΩ – GOM-805	100Ω	1μA	± (0.5% of reading + 0.008% of range)																																															
<b>TEMPERATURE</b>																																																		
Range	-50°C ~399.9°C																																																	
Accuracy	-10°C ~40°C : 0.3% ± 0.5°C ; Other : 0.3% ± 1.0°C																																																	
Resolution	0.1°C																																																	
<b>DRY CIRCUIT</b>																																																		
	----	Open circuit less than 20mV; For 500mΩ, 5Ω, 50Ω range only																																																
<b>DRIVE MODE</b>																																																		
DC+/DC-	DC+ only	Yes																																																
Pulsed	----	Yes																																																
PWM	----	Yes																																																
Zero	----	Yes																																																
Standby (*)	Yes	Yes																																																
<b>OTHER FUNCTIONS</b>																																																		
	Trigger – Internal, Manual, External; Math – ABS, REL, %, TC;																																																	
	Average 2 ~ 10 times; Measured delay; TC for Transformer																																																	
	Compare; Diode; Continuity beeper; Binning (only for GOM-805)																																																	

INTERFACE		
USB	Standard	Standard
RS-232C	Standard	Standard
HANDLER/SCAN/EXT I/O	Standard	Standard
GPIB	Option (factory installed)	Standard
GENERAL		
Display	3.5'(320 x 240) TFT LCD	
Memory	20 sets for panel setting	
Power Source	AC 100 - 240 V, 50/60Hz	
Consumption	25VA (max.)	
Dimension	223(W) x 102(H) x 283(D) mm	
Weight	Approx. 3kg(max.)	

**(\*) The Standby function must be collocated with the new PCB hardware; it is not applicable to sold instruments.**

**testoon**.COM  
The measurement website

99 rue Beranger - 92320 Chatillon - France  
Tel. : +33 (0) 1 71 16 17 00 - Fax : +33 (0) 1 71 16 17 03

[www.testoon.com](http://www.testoon.com)