

## 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;<br>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.**