

GOM-804 / GOM-805 Specifications

The specifications apply when the GOM-804 / GOM-805 is powered on for at least 30 minutes under +18°C~+28°C..



(GPIB is optional for GOM-804)

| | GOM-804 | GOM-805 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------|-------|------------|--------------|----------|-----|-------|----|-------------------------------------|------|-----|----|--------------------------------------|-------|------|-------|---------------------------------------|----|-------|-------|---------------------------------------|-----|-----|------|---------------------------------------|------|------|-----|----------------------------------------|-----|-------|-------|----------------------------------------|------|----|-------|----------------------------------------|-------|-----|------|----------------------------------------|---------------|------|-----|---------------------------------------|---------------|------|-----|---------------------------------------|
| DISPLAY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 50,000 counts | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLING RATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Slow | 10 readings / s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fast | 60 readings / s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RESISTANCE MEASUREMENT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <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) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DRY CIRCUIT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ----- | Open circuit less than 20mV; For 500mΩ, 5Ω, 50Ω range only | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DRIVE MODE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DC+/DC- | DC+ only | Yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pulsed | ----- | Yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PWM | ----- | Yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zero | ----- | Yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Standby (*) | Yes | Yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OTHER FUNCTIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 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.