

## GBM-3000 Specifications

The specifications apply when the GBM-3000 is powered on for at least 30 minutes under +18°C~+28°C.



| Model \ Func. | AC Resistance | DC Voltage |
|---------------|---------------|------------|
| GBM-3300      | 0~3.2kΩ       | 0~300V     |
| GBM-3080      | 0~3.2kΩ       | 0~80V      |

| DISPLAY                |                                    |          |                  |            |                         |                                |
|------------------------|------------------------------------|----------|------------------|------------|-------------------------|--------------------------------|
| Screen                 | 3.5”(320 x240) TFT LCD             |          |                  |            |                         |                                |
| Resistance             | 5 digits                           |          |                  |            |                         |                                |
| Voltage                | 6 digits                           |          |                  |            |                         |                                |
| TEST SPEED             |                                    |          |                  |            |                         |                                |
| Slow                   | 3 time/second                      |          |                  |            |                         |                                |
| Medium                 | 14 time/second                     |          |                  |            |                         |                                |
| Fast                   | 25 time/second                     |          |                  |            |                         |                                |
| Ex. Fast               | 65 time/second                     |          |                  |            |                         |                                |
| RESISTANCE MEASUREMENT |                                    |          |                  |            |                         |                                |
| Test Frequency         | 1kHz (±0.5Hz) Fixed                |          |                  |            |                         |                                |
| Input Impedance        | 3mΩ ~ 300mΩ : 99kΩ, 3Ω ~ 3kΩ : 2MΩ |          |                  |            |                         |                                |
| Range                  | Range No.                          | Range    | Max. scale       | Resolution | Test Current            | Open-circuit Voltage (Vpp max) |
| Accuracy               | 0                                  | 3mΩ      | 3.1000mΩ         | 0.1μΩ      | 100mA                   | 8V                             |
|                        | 1                                  | 30mΩ     | 31.000mΩ         | 1μΩ        | 100mA                   | 8V                             |
|                        | 2                                  | 300mΩ    | 310.00mΩ         | 10μΩ       | 10mA                    | 7V                             |
|                        | 3                                  | 3Ω       | 3.1000Ω          | 100μΩ      | 1mA                     | 3V                             |
|                        | 4                                  | 30Ω      | 31.000Ω          | 1mΩ        | 100μA                   | 2V                             |
|                        | 5                                  | 300Ω     | 310.00Ω          | 10mΩ       | 10μA                    | 1.5V                           |
|                        | 6                                  | 3kΩ      | 3200.0Ω          | 100mΩ      | 10μA                    | 1.5V                           |
|                        | Range No.                          | Speed    | Accuracy         |            | Temperature Coefficient |                                |
|                        | 0                                  | Slow     | ±0.5%rdg ± 10dgt |            | (±0.05%rdg ± 1dgt)/°C   |                                |
|                        |                                    | Medium   | ±0.5%rdg ± 15dgt |            |                         |                                |
|                        |                                    | Fast     | ±0.5%rdg ± 20dgt |            |                         |                                |
|                        |                                    | Ex. Fast | ±0.5%rdg ± 40dgt |            |                         |                                |
|                        | 1~6                                | Slow     | ±0.5%rdg ± 5dgt  |            | (±0.05%rdg ± 0.5dgt)/°C |                                |
|                        |                                    | Medium   | ±0.5%rdg ± 7dgt  |            |                         |                                |
|                        |                                    | Fast     | ±0.5%rdg ± 7dgt  |            |                         |                                |
|                        |                                    | Ex. Fast | ±1.0%rdg ± 8dgt  |            |                         |                                |

| VOLTAGE MEASUREMENT |                            |          |                  |                          |
|---------------------|----------------------------|----------|------------------|--------------------------|
| Range               | Range No.                  | Range    | Max. scale       | Resolution               |
|                     | 0                          | 8V       | ±8.08000         | 10μV                     |
|                     | 1                          | 80V      | ±80.8000         | 100μV                    |
|                     | 2*                         | 300V     | ±303.000         | 1mV                      |
| Accuracy            | * : 300V only for GBM-3300 |          |                  |                          |
|                     | Range No.                  | Speed    | Accuracy         | Temperature Coefficient  |
|                     | 0~2                        | Slow     | ±0.01%rdg ± 3dgt | (±0.001%rdg ± 0.3dgt)/°C |
|                     |                            | Medium   | ±0.01%rdg ± 5dgt |                          |
|                     |                            | Fast     | ±0.05%rdg ± 5dgt |                          |
|                     |                            | Ex. Fast | ±0.10%rdg ± 6dgt |                          |

| OTHER FUNCTIONS   |                                   |
|-------------------|-----------------------------------|
| Range Selection   | Auto range, Hold range, Nom range |
| Comparator        | ABS, PER or SEQ                   |
| Contact detection | OPEN & WIRE                       |
| Buzzer            | OFF, Pass, Fail                   |
| Trigger           | INT, EXT                          |

| INTERFACE                                 |
|-------------------------------------------|
| USB Host / USB Device / RS-232C / Handler |

| POWER SOURCE                          |
|---------------------------------------|
| AC 100-240, 50-60Hz; Consumption: 10W |

| DIMENSIONS & WEIGHT                        |
|--------------------------------------------|
| 264(W) x 107(H) x 309(D) mm, Approx. 2.8kg |