| model | | GL900 | 0-8 | | | | | | | |
|--|---|---|---|---|--|---|--|--|--|--|
| No. of analog input ch. | | | 8 ch | | | ch | | | | |
| External input/output*1 | | | Trigger input (1 channel), Logic input (4 channels) or Pulse input (4 channels), Alarm output (4 channels) Or trigger output 1ch + Alarm output 3ch (Ver 3.0 or later) | | | | | | | |
| Sampling interval | | | 10µs to 1 min, External*1 | | | | | | | |
| TIME/DIV | | | 10 ms | /DIV te | o 24 hour/DIV | | | | | |
| Timer functions | | | Date and time, daily cycle, hourly cycle, off | | | | | | | |
| | Туре | | | | apture starts when a trigger is | s activated | d; Stop: Data capture stops | | | |
| iunctions | 0 | | when a trigger is activated | | | | | | | |
| (| Condi | tion | Start: Off, Input signal level (analog, logic/pulse), External*1, Scheduled time | | | | | | | |
| - | O a ma h | | Stop: Off, Input signal level (analog, logic/pulse), External *1, Scheduled time Input signal level: Level OR, Level AND, Edge OR, Edge AND | | | | | | | |
| Combination | | | | | | | | | | |
| | Mode | ione | H (Rising), L (Falling), Window In*2, Window Out*2 | | | | | | | |
| Alarm setting Alarm output | | 10115 | Rising, Falling, Window In*2, Window Out*2 | | | | | | | |
| Trigger output | | or later) | Number of channels: 4, Open collector output (5V, 10 kΩ pull-up resistance) | | | | | | | |
| | RPM r | | | | | | | | | |
| | | | 50 to 20 M RPM/F.S. (in steps of 1, 2, or 5) 50 to 20 M C/F.S. (in steps of 1, 2, or 5) | | | | | | | |
| · · · | Count mode Inst. Mode | | | | C/F.S. (in steps of 1, 2, or 5) | | | | | |
| Calculation f | | | | | Iculations *4: Average, Peak, | Maximum | Minimum BMS (2 | | | |
| calculation | | | | | can be set simultaneously) | manan | , | | | |
| Other functio | ns | | Searc | h func | tion, annotation input function | | | | | |
| PC inteface | | | Etherr | net (10 | BASE-T/100BASE-TX), USB | (High Spe | eed supported) | | | |
| Ethernet fund | ctions | | Web s | erver | function, FTP server function, | NTP clier | nt function | | | |
| USB function | 1 | | USB o | drive m | ode (File transfer and deletio | n from inte | ernal GL900 memory) | | | |
| Memory I | Interna | al | One n | nillion | data points / Internal flash me | mory:App | rox. 256 MB | | | |
| device | Extern | nal | USB r | nemor | y slot (High speed supported) | *5 | | | | |
| Display scree | ens | | Wavefe | Waveforms + digital values, enlarged waveforms, digital values + calculation results, X-Y | | | | | | |
| Display unit | | | | | color LCD | | | | | |
| Operating en | | | | | to 85% R.H. (15 to 35°C whe | n using ba | atteries) | | | |
| | AC ad | | | | /AC, 50 to 60 Hz | | | | | |
| ··· · _ | DC inp | | 8.5 to | | C | | | | | |
| | | pack *6 | Option | | | | | | | |
| Power consu | <u> </u> | | | 42 VA (when operating and charging batery with AC power) | | | | | | |
| External dim | | าร | | 232 x 150 x 80 mm (W x H x D), approx. | | | | | | |
| Weight (appr | | | | 1.1 kg (excluding AC adapter and battery) 1.0 kg (excluding AC adapter and battery) Equivalent to automobile parts Type 1 Category A classification in JIS | | | | | | |
| | | | | | o automobile parts Type T Ca | legory A c | lassification in JIS | | | |
| Analog in | put s | speci | | | | | | | | |
| | | | liouu | ons | Description | | | | | |
| | | | | ons | Description | | | | | |
| | al type | Voltag | е | ons | BNC connector | ط *7 | | | | |
| Input termina | | Voltag | | ons | BNC connector M3 screw type terminal boar | | produc complian of all channel | | | |
| Input termina | ł | Voltag Tempe | e erature | | BNC connector M3 screw type terminal boar All channels isolated unbalanced | input Simult | | | | |
| Input termina | ł | Voltag Tempe Voltag | e erature e | ons | BNC connector M3 screw type terminal boar All channels isolated unbalanced i 20, 50, 100, 200, 500 mV; 1, 2, 5, 1 | input Simult 10, 20, 50, 1 | 00, 200, 500 V F.S., 1-5 V F.S. | | | |
| Input termina | ł | Voltag Tempe Voltag Tempe | e erature e erature | | BNC connector M3 screw type terminal boar All channels isolated unbalanced 20, 50, 100, 200, 500 mV; 1, 2, 5, Thermocouples : K, J, E, T, F | input Simult 10, 20, 50, 1 R, S, B, N, | 00, 200, 500 V F.S., 1-5 V F.S. W (WRe5-26) | | | |
| Input termina Input methoc Measurement ra | ł | Voltag Tempe Voltag | e erature e erature | | BNC connector M3 screw type terminal boar All channels isolated unbalanced i 20, 50, 100, 200, 500 mV; 1, 2, 5, 1 Thermocouples : K, J, E, T, F 0 to 100% (voltage 0 V to 1 V | input Simult 10, 20, 50, 1 R, S, B, N, scaling co | 00, 200, 500 V F.S., 1-5 V F.S. W (WRe5-26) | | | |
| Input termina Input methoc Measurement ra Input filter | d anges | Voltag Tempe Voltag Tempe Humid | e e e erature lity | | BNC connector M3 screw type terminal boar All channels isolated unbalanced 20, 50, 100, 200, 500 mV; 1, 2, 5, Thermocouples : K, J, E, T, F to to 100% (voltage 0 V to 1 V Off, Line, 5 Hz, 50 Hz, 500 H | input Simult 10, 20, 50, 1 R, S, B, N, scaling co | 00, 200, 500 V F.S., 1-5 V F.S. W (WRe5-26) | | | |
| Item Input termina Input methoc Measurement ra Input filter Measuremer accuracy *8 | d anges | Voltag Tempe Voltag Tempe Humid | e e e erature lity e | | BNC connector M3 screw type terminal boar All channels isolated unbalanced 20, 50, 100, 200, 500 mV; 1, 2, 5, Thermocouples : K, J, E, T, F to to 100% (voltage 0 V to 1 V Off, Line, 5 Hz, 50 Hz, 500 H ±0.25% of F.S. | input Simult 10, 20, 50, 1 R, S, B, N, scaling co Iz | 00, 200, 500 V F.S., 1-5 V F.S. W (WRe5-26) nversion) with B-530 (option | | | |
| Input termina Input methoc Measurement ra Input filter Measuremer accuracy *8 (23°C±5°C) | d anges nt | Voltag Tempe Voltag Tempe Humid | e e e erature lity | Туре | BNC connector M3 screw type terminal boar All channels isolated unbalanced i 20, 50, 100, 200, 500 mV; 1, 2, 5, Thermocouples : K, J, E, T, F 0 to 100% (voltage 0 V to 1 V Off, Line, 5 Hz, 50 Hz, 500 H ±0.25% of F.S. Measurement temperature ra | input Simulti 10, 20, 50, 1 R, S, B, N, scaling co Iz ange | 00, 200, 500 V F.S., 1-5 V F.S. W (WRe5-26) nversion) with B-530 (option Measurement accuracy | | | |
| Input termina Input methoc Measurement ra Measuremen accuracy *8 (23°C±5°C) When 30 minu | d anges nt utes or | Voltag Tempe Voltag Tempe Humid | e e e erature lity e | | BNC connector M3 screw type terminal boar All channels isolated unbalanced 20, 50, 100, 200, 500 mV; 1, 2, 5, Thermocouples : K, J, E, T, F to to 100% (voltage 0 V to 1 V Off, Line, 5 Hz, 50 Hz, 500 H ±0.25% of F.S. | input Simulti 10, 20, 50, 1 R, S, B, N, scaling con Iz ange | 00, 200, 500 V F.S., 1-5 V F.S. W (WRe5-26) nversion) with B-530 (option | | | |
| Input termina Input methoc Measurement ra Input filter Measuremer accuracy *8 accuracy *8 (23°C±5°C) When 30 minu more have ela | anges nt utes or upsed | Voltag Tempe Voltag Tempe Humid | e e e erature lity e | Туре | BNC connector M3 screw type terminal boar All channels isolated unbalanced J0, 50, 100, 200, 500 mV; 1, 2, 5, 7 Thermocouples : K, J, E, T, F 0 to 100% (voltage 0 V to 1 V Off, Line, 5 Hz, 50 Hz, 500 H $\pm 0.25\%$ of F.S. Measurement temperature ra 0°C <ts 100°c<br="" ≤="">100°C <ts 100°c<="" td="" ≤=""><td>input Simult 10, 20, 50, 1 R, S, B, N, scaling co Iz ange</td><td>00, 200, 500 V F.S., 1-5 V F.S. W (WRe5-26) nversion) with B-530 (option Measurement accuracy ±7.0°C ±5.0°C ±0.05% of rdg +3.0°C)</td></ts></ts> | input Simult 10, 20, 50, 1 R, S, B, N, scaling co Iz ange | 00, 200, 500 V F.S., 1-5 V F.S. W (WRe5-26) nversion) with B-530 (option Measurement accuracy ±7.0°C ±5.0°C ±0.05% of rdg +3.0°C) | | | |
| Input termina Input methoc Measurement ra Angeneric accuracy *8 (23°C±5°C) When 30 minu, more have ela after power wa | anges nt utes or upsed | Voltag Tempe Voltag Tempe Humid | e e e erature lity e | Type R/S | BNC connector M3 screw type terminal boar All channels isolated unbalancedi 20, 50, 100, 200, 500 mV; 1, 2, 5, 1 Thermocouples : K, J, E, T, f 0 to 100% (voltage 0 V to 1 V Off, Line, 5 Hz, 50 Hz, 500 H $\pm 0.25\%$ of F.S. Measurement temperature ra 0°C \leq TS \leq 100°C 100°C $<$ TS \leq 100°C R:300°C $<$ TS \leq 160°C | input Simult 10, 20, 50, 1 R, S, B, N, scaling cor Iz ange | 00, 200, 500 V F.S., 1-5 V F.S. W (WRe5-26) nversion) with B-530 (option Measurement accuracy ±7.0°C ±0.05°C ±(0.05% of rdg +3.0°C) ±(0.05% of rdg +3.0°C) | | | |
| Input termina Input method Measurement ra Case of the second second (23°C±5°C) When 30 minumore have elas after power was writched on Filter : Line | anges nt utes or upsed as | Voltag Tempe Voltag Tempe Humid | e e e erature lity e | Туре | BNC connector M3 screw type terminal boar All channels isolated unbalanced i 20, 50, 100, 200, 500 mV; 1, 2, 5, 5 Thermocouples : K, J, E, T, F 0 to 100% (voltage 0 V to 1 V Off, Line, 5 Hz, 50 Hz, 500 H $\pm 0.25\%$ of F.S. Measurement temperature ra 0°C \leq TS \leq 100°C 100°C $<$ TS \leq 300°C R:300°C $<$ TS \leq 160°C 8:300°C $<$ TS \leq 160°C | input Simult 10, 20, 50, 1 R, S, B, N, scaling con fz ange | 00, 200, 500 V F.S., 1-5 V F.S. W (WRe5-26) nversion) with B-530 (option Measurement accuracy ±7.0°C ±5.0°C ±0.05% of rdg +3.0°C) ±(0.05% of rdg +3.0°C) ±(0.5% of rdg +3.0°C) | | | |
| Input termina Input method Measurement ra Case of the second second (23°C±5°C) When 30 minumore have elas after power was writched on Filter : Line | anges nt utes or upsed as | Voltag Tempe Voltag Tempe Humid | e e e erature lity e | Type R/S B | BNC connector M3 screw type terminal boar All channels isolated unbalanced i 20, 50, 100, 200, 500 mV; 1, 2, 5, 1 Thermocouples : K, J, E, T, F 0 to 100% (voltage 0 V to 1 V Off, Line, 5 Hz, 50 Hz, 500 H ±0.25% of F.S. Measurement temperature ra 0°C <ts <math="">\leq 100°C N:300°C <ts <math="">\leq 100°C N:300°C <ts <math="">\leq 1600°C 3:300°C <ts <math="">\leq 1600°C 400°C <ts <math="">\leq 1600°C 400°C <ts <math="">\leq 1820°C</ts></ts></ts></ts></ts></ts> | input Simult 10, 20, 50, 1 R, S, B, N, scaling con Iz ange | 00, 200, 500 V F.S., 1-5 V F.S. W (WRe5-26) Inversion) with B-530 (option Measurement accuracy ±7.0°C ±5.0°C ±(0.05% of rdg +3.0°C) ±(0.05% of rdg +3.0°C) ±(0.05% of rdg +3.0°C) ±5.5°C ±(0.05% of rdg +3.0°C) | | | |
| Input termina Input method Measurement ra Caracy *8 (23°C±5°C) When 30 minu more have ela after power wa switched on Filter : Line | anges nt utes or upsed as | Voltag Tempe Voltag Tempe Humid | e e e erature lity e | Type R/S | BNC connector M3 screw type terminal boar All channels isolated unbalanced J0, 50, 100, 200, 500 mV; 1, 2, 5, 7 Thermocouples : K, J, E, T, f 0 to 100% (voltage 0 V to 1 V Off, Line, 5 Hz, 50 Hz, 500 H $\pm 0.25\%$ of F.S. Measurement temperature rr 0°C \leq TS \leq 100°C 100°C \leq TS \leq 100°C 100°C \leq TS \leq 100°C S:300°C \leq TS \leq 100°C $\pm 0.00°C$ \leq TS \leq 100°C $\pm 0.00°C$ \leq TS \leq 100°C $\pm 0.00°C$ \leq TS \leq 100°C $-200°C \leq$ TS \leq 100°C | input Simult 10, 20, 50, 1 R, S, B, N, scaling co Iz ange | 00, 200, 500 V F.S., 1-5 V F.S. W (WRe5-26) nversion) with B-530 (option #6.000 with B-530 (option #10.000 with B-530 (option #25.0°C ±(0.05% of rdg +3.0°C) ±(0.05% of rdg +3.0°C) ±(0.05% of rdg +3.0°C) | | | |
| Input termina Input method Measurement ra Case of the second second (23°C±5°C) When 30 minumore have elas after power was writched on Filter : Line | anges nt utes or upsed as | Voltag Tempe Voltag Tempe Humid | e e e erature lity e | Type R/S B K | $\begin{array}{l} {\sf BNC \ connector} \\ {\sf M3 \ screw \ type \ terminal \ boar} \\ {\sf All \ channels \ isolated \ unbalancedi } \\ {\sf 20, 50, 100, 200, 500 \ mV; 1, 2, 5, 5, 500 \ mV; 1, 2, 5, 5, 500 \ mV; 1, 2, 500 \ m$ | input Simult 10, 20, 50, 1 R, S, B, N, scaling cor Iz ange | 00, 200, 500 V F.S., 1-5 V F.S. W (WRe5-26) nversion) with B-530 (option #7.0°C ±5.0°C ±0.05% of rdg +3.0°C) ±0.05% of rdg +3.0°C) ±0.05% of rdg +3.0°C) ±0.05% of rdg +3.0°C) ±0.05% of rdg +3.0°C) | | | |
| Input termina Input method Measurement ra Case of the second second (23°C±5°C) When 30 minumore have elas after power was writched on Filter : Line | anges nt utes or upsed as | Voltag Tempe Voltag Tempe Humid | e e e erature lity e | Type R/S B | BNC connector M3 screw type terminal boar All channels isolated unbalanced J0, 50, 100, 200, 500 mV; 1, 2, 5, 7 Thermocouples : K, J, E, T, f 0 to 100% (voltage 0 V to 1 V Off, Line, 5 Hz, 50 Hz, 500 H $\pm 0.25\%$ of F.S. Measurement temperature rr 0°C \leq TS \leq 100°C 100°C \leq TS \leq 100°C 100°C \leq TS \leq 100°C S:300°C \leq TS \leq 100°C $\pm 0.00°C$ \leq TS \leq 100°C $\pm 0.00°C$ \leq TS \leq 100°C $\pm 0.00°C$ \leq TS \leq 100°C $-200°C \leq$ TS \leq 100°C | input Simult 10, 20, 50, 1 R, S, B, N, scaling con Iz ange | 00, 200, 500 V F.S., 1-5 V F.S. W (WRe5-26) nversion) with B-530 (option #6.000 with B-530 (option #10.000 with B-530 (option #25.0°C ±(0.05% of rdg +3.0°C) ±(0.05% of rdg +3.0°C) ±(0.05% of rdg +3.0°C) | | | |
| Input termina Input method Measurement ra Case of the second second (23°C±5°C) When 30 minumore have elas after power was writched on Filter : Line | anges nt utes or upsed as | Voltag Tempe Voltag Tempe Humid | e e e erature lity e | Type R/S B K | $\begin{array}{l} {\sf BNC \ connector} \\ {\sf M3 \ screw \ type \ terminal \ boar} \\ {\sf All \ channels \ isolated \ unbalancedi \\ 20, 50, 100, 200, 500 \ mV; 1, 2, 5, 1 \\ {\sf Thermocouples \ :} \ K, J, E, T, f \\ 0 \ to \ 100\% \ (voltage \ 0 \ V \ to \ 1 \ V \\ {\sf Off, \ Line, \ 5 \ Hz, \ 50 \ Hz, \ 500 \ Hz, $ | input Simult 10, 20, 50, 1 3, S, B, N, scaling coi 1z ange | 00, 200, 500 V F.S., 1-5 V F.S. W (WRe5-26) nversion) with B-530 (option #7.0°C #5.0°C #0.05% of rdg +3.0°C) #(0.05% of rdg +2.0°C) | | | |
| Input termina Input method Measurement ra Case of the second second (23°C±5°C) When 30 minumore have elas after power was writched on Filter : Line | anges nt utes or upsed as | Voltag Tempe Voltag Tempe Humid | e e e erature lity e | Type R/S B K E T | $\begin{array}{l} {\sf BNC \ connector} \\ {\sf M3 \ screw \ type \ terminal \ boar} \\ {\sf All \ channels \ isolated \ unbalanced} \\ {\sf all \ channels \ isolated \ unbalanced} \\ {\sf all \ channels \ isolated \ unbalanced} \\ {\sf all \ channels \ isolated \ unbalanced} \\ {\sf all \ channels \ solated \ unbalanced} \\ {\sf all \ channels \ solated \ unbalanced} \\ {\sf bold \ channels \ solated \ unbalanced} \\ {\sf bold \ unbalanced} \\ {\sf bob$ | input Simult 10, 20, 50, 1 3, S, B, N, scaling cor Iz ange | 00, 200, 500 V F.S., 1-5 V F.S. W (WRe5-26) Inversion) with B-530 (option Measurement accuracy ±7.0°C ±5.0°C ±(0.05% of rdg +3.0°C) ±(0.05% of rdg +3.0°C) | | | |
| Input termina Input method Measurement ra Case of the second second (23°C±5°C) When 30 minumore have elas after power was writched on Filter : Line | anges nt utes or upsed as | Voltag Tempe Voltag Tempe Humid | e e e erature lity e | Type R/S B K E | $\begin{array}{l} {\sf BNC \ connector} \\ {\sf M3 \ screw \ type \ terminal \ boar} \\ {\sf All \ channels \ isolated \ unbalanced \ 1} \\ {\sf all \ channels \ isolated \ unbalanced \ 1} \\ {\sf all \ channels \ isolated \ unbalanced \ 1} \\ {\sf all \ channels \ isolated \ unbalanced \ 1} \\ {\sf all \ channels \ isolated \ unbalanced \ 1} \\ {\sf bar \ channels \ isolated \ unbalanced \ 1} \\ {\sf bar \ channels \ isolated \ unbalanced \ 1} \\ {\sf bar \ channels \ isolated \ unbalanced \ 1} \\ {\sf bar \ unbalanced \ 1} \\ {\sf bar \ channels \ isolated \ unbalanced \ 1} \\ {\sf bar \ channels \ isolated \ unbalanced \ 1} \\ {\sf bar \ unbalanced \ 1} \ $ | input Simult 10, 20, 50, 1 3, S, B, N, scaling coi Iz ange | 00, 200, 500 V F.S., 1-5 V F.S. W (WRe5-26) Inversion) with B-530 (option Measurement accuracy ±7.0°C ±5.0°C ±(0.05% of rdg +3.0°C) ±(0.5% of rdg +3.0°C) ±(0.05% of rdg +3.0°C) ±(0.05% of rdg +3.0°C) ±(0.05% of rdg +3.0°C) ±(0.05% of rdg +2.0°C) ±(0.05% of rdg +2.0°C) ±(0.1% of rdg +2.5°C) ±(0.1% of rdg +2.5°C) ±(0.1% of rdg +1.5°C) ±3.7°C | | | |
| Input termina Input method Measurement ra Case of the second second (23°C±5°C) When 30 minumore have elas after power was writched on Filter : Line | anges nt utes or upsed as | Voltag Tempe Voltag Tempe Humid | e e e erature lity e | Type R/S B K E T | $\begin{array}{l} {\sf BNC \ connector} \\ {\sf M3 \ screw \ type \ terminal \ boar} \\ {\sf All \ channels \ isolated \ unbalanced \ 1} \\ {\sf all \ channels \ isolated \ unbalanced \ 1} \\ {\sf all \ channels \ isolated \ unbalanced \ 1} \\ {\sf all \ channels \ isolated \ unbalanced \ 1} \\ {\sf all \ channels \ isolated \ unbalanced \ 1} \\ {\sf all \ channels \ isolated \ unbalanced \ 1} \\ {\sf berow \ channels \ isolated \ unbalanced \ 1} \\ {\sf berow \ channels \ isolated \ unbalanced \ 1} \\ {\sf berow \ channels \ isolated \ unbalanced \ 1} \\ {\sf berow \ channels \ isolated \ unbalanced \ 1} \\ {\sf berow \ channels \ isolated \ unbalanced \ 1} \\ {\sf berow \ channels \ isolated \ unbalanced \ 1} \\ {\sf berow \ channels \ isolated \ unbalanced \ 1} \\ {\sf berow \ channels \ isolated \ unbalanced \ 1} \\ {\sf berow \ channels \ isolated \ unbalanced \ 1} \\ {\sf berow \ channels \ isolated \ unbalanced \ 1} \\ {\sf berow \ channels \ isolated \ unbalanced \ 1} \\ {\sf berow \ channels \ isolated \ unbalanced \ 1} \\ {\sf berow \ channels \ isolated \ unbalanced \ 1} \\ {\sf berow \ channels \ isolated \ unbalanced \ 1} \\ {\sf berow \ channels \ unbalanced \ 1} \\ {\sf berow \ channels \ unbalanced \ 1} \\ {\sf berow \ channels \ unbalanced \ 1} \\ {\sf berow \ channels \ unbalanced \ 1} \\ {\sf berow \ channels \ unbalanced \ 1} \\ {\sf berow \ channels \ unbalanced \ 1} \\ {\sf berow \ channels \ unbalanced \ 1} \\ {\sf berow \ channels \ unbalanced \ 1} \\ {\sf berow \ channels \ unbalanced \ 1} \\ {\sf berow \ channels \ unbalanced \ 1} \\ {\sf berow \ channels \ unbalanced \ 1} \\ {\sf berow \ channel \ unbalanced \ 1} \\ {\sf berow \ channels \ unbalanced \ 1} \\ {\sf berow \ channels \ unbalanced \ 1} \\ {\sf berow \ channels \ unbalanced \ 1} \\ {\sf berow \ channels \ unbalanced \ 1} \\ {\sf berow \ channel \ unbalanced \ 1} \\ {\sf berow \ channel \ unbalanced \ 1} \\ {\sf berow \ channel \ unbalanced \ 1} \\ {\sf berow \ channel \ unbalanced \ 1} \\ {\sf berow \ channel \ unbalanced \ 1} \\ {\sf berow \ channel \ unbalanced \ 1} \\ {\sf berow \ channel \ unbalanced \ 1} \\ {\sf berow \ unbalanced \ 1} \\ {\sf berow \ channel \ unbal$ | input Simult. 10, 20, 50, 1 R, S, B, N, scaling coi Iz ange | 00, 200, 500 V F.S., 1-5 V F.S. W (WRe5-26) nversion) with B-530 (option #7.0°C #5.0°C #(0.05% of rdg +3.0°C) #(0.05% of rdg +2.0°C) #(0.1% of rdg +2.5°C) #0.1% of rdg +2.5°C) #3.7°C #2.7°C | | | |
| Input termina Input method Measurement ra Case of the second second (23°C±5°C) When 30 minumore have elas after power was writched on Filter : Line | anges nt utes or upsed as | Voltag Tempe Voltag Tempe Humid | e e e erature lity e | Type R/S B K E T J | $\begin{array}{l} { BNC \ connector } \\ { M3 \ screw \ type \ terminal \ boar \\ { M3 \ screw \ type \ terminal \ boar \\ { All \ channels \ isolated \ unbalanced \\ { J0 \ chancels \ chance$ | input Simult 10, 20, 50, 1 7, S, B, N, scaling coi Iz ange | 00, 200, 500 V F.S., 1-5 V F.S. W (WRe5-26) Inversion) with B-530 (option #2.0°C ±5.0°C ±0.05% of rdg +3.0°C) ±(0.05% of rdg +3.0°C) ±(0.1% of rdg +2.5°C) ±(0.1% of rdg +2.5°C) ±3.7°C ±2.7°C ±0.05% of rdg +2.0°C) | | | |
| Input termina Input method Measurement ra Case of the second second (23°C±5°C) When 30 minumore have elas after power was writched on Filter : Line | anges nt utes or upsed as | Voltag Tempe Voltag Tempe Humid | e e e erature lity e | Type R/S B K E T | BNC connector M3 screw type terminal boar All channels isolated unbalanced Jo, 50, 100, 200, 500 mV; 1, 2, 5, 1 Thermocouples : K, J, E, T, F 0 to 100% (voltage 0 V to 1 V Off, Line, 5 Hz, 50 Hz, 500 H J025% of F.S. Measurement temperature ra 0°C <ts 100°c<="" td="" ≤=""> 100°C <ts 100°c<="" td="" ≤=""> Si30°C <ts 160°c<="" td="" ≤=""> 400°C <ts 160°c<="" td="" ≤=""> 400°C <ts 1820°c<="" td="" ≤=""> -200°C <ts 1820°c<="" td="" ≤=""> -200°C <ts 100°c<="" td="" ≤=""> -100°C <ts 100°c<="" td="" ≤=""> -100°C <ts 100°c<="" td="" ≤=""> -100°C <ts 100°c<="" td="" ≤=""> -200°C <ts 100°c<="" td="" ≤=""> -100°C <ts 100°c<="" td="" ≤=""></ts></ts></ts></ts></ts></ts></ts></ts></ts></ts></ts></ts></ts></ts></ts></ts></ts></ts></ts></ts></ts></ts></ts> | input Simult 10, 20, 50, 1 3, S, B, N, scaling cor Iz ange | 00, 200, 500 V F.S., 1-5 V F.S. W (WRe5-26) Inversion) with B-530 (option Measurement accuracy ±7.0°C ±5.0°C ±(0.05% of rdg +3.0°C) ±(0.05% of rdg +3.0°C) ±(0.05% of rdg +3.0°C) ±(0.05% of rdg +3.0°C) ±(0.05% of rdg +2.0°C) ±(0.05% of rdg +2.0°C) ±(0.1% of rdg +2.5°C) ±(0.1% of rdg +1.5°C) ±3.7°C ±(0.05% of rdg +2.0°C) ±(0.1% of rdg +3.0°C) | | | |
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| *1 | Input/output | cable for | GL(B-513) | is required |
|----|--------------|-----------|-----------|-------------|
| | inputoutput | 00010 101 | GE(D 010) | io required |

Input signal of External sampling, Logic, Pulse; Max. voltage: 24V, Threshold: approx. 2.5V, Hysteresis: approx. 0.5V

*2 Cannot be set for logic input.

- *3 Maximum input frequency : 50 kHz, maximum number of counts: 15 MC.
 *4 In real time or when Between Cursors has been specified.(during Replay)
- *5 The file size of the captured data is limited up to 2GB.

Connections are made to both the BNC terminal and M3 screw terminal for the same channel. Thermocouple diameters T : 0.32mm, others:0.65mm.

Please install two battery packs.

Safe probe

(RIC-141A)

Rod-shaped K-type

thermocouple

(RIC-410)

The trigger output mode (Trigger output 1ch + alarm 3ch) that is implemented by the firmware *9 ver. 3.0 or before is not supported

*10 Operating temperature range : -25 to +80°C.

• Due to the possibility of equipment or PC failure, the data files on the instrument will not be guaranteed to be held on the memory. Please make a backup of data whenever possible to avoid data loss.
Brand names and product names listed in this brochure are the trademarks or registered trademarks of their respective owners.
Specifications are subject to change without notice. For more information about product, please check the web site or contact your local representative.

For using equipment in correctly and safely . Before using it, please read the user manual and then please use it property in accordance with the description. . To avoid malfunction or an electric shock by current leakage or voltage, please ensure a ground connection and use according to the specification

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http://www.graphteccorp.com



K-type thermocouple

for static surfaces

(RIC-420)

L-shaped K-type thermocouple

for static surfaces

(RIC-430)



High-speed isolated 4 or 8 channel multifunction logger midi LOGGER GLSOOseries

9 **isolated channels & high speed simultaneous samp**



Data can also be saved to PC-friendly USB memory sticks

Pulse

Logic

KE10104 GR Vol.7



HABBBB



High-speed isolated 4 or 8 channel multifunction logger

midi LOGGER **GL900** series

Data can be captured to PC-friendly USB memory sticks

Long-term data can be captured directly to built-in 256-MB flash memory or to an

external USB memory stick at sampling intervals of from 1 ms to 1 min. For high-speed sampling at intervals faster than 1 ms, up to one million data points can be captured to internal RAM



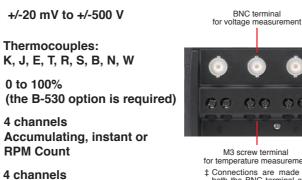
Enables data transfers and remote operation

Example of 8-channel analog measurement effective when the captured

| The time is ellective when the captured data is saved in the GBD format. | | | | | | | |
|---|---------|---------------------------|------------------------------|-------------------------------|-------------------------------|-----------------------------|------------------------|
| Capture destination | 10µs | 100µs | 500µs | 1ms | 10ms | 100ms | 1s |
| Internal RAM (up to one million points) | 10 sec. | Approx. 1 min and 40 sec. | Approx. 8 min and 20 sec. | Approx. 16 min and 40 sec. | Approx. 2 hrs. and 40 sec. | Approx. 1 day and 3 hrs. | 11 days and 13 hrs. |
| Build-in 256 MB Flash Memory | × | × | x | Approx. 1 hour | Approx. 11 hrs. | Approx. 4 days | Approx. 46 days |
| 4 GB USB memory stick | × | × | × | Approx. 9 hrs. | Approx. 3 day and 21 hrs. | Approx. 38 days | Approx. 388 days |
| Standard USB memory devices without high-end functions such as fingerprint recognition are required. The file size of the captured data is limited up to 2GB when data is saved into the USB memory stick. | | | | | | | |

Easy-to-use upright high-speed isolated 4 or 8 channel multifunction logger

An easy-to-use upright device enabling isolated 4 or 8 channel multifunction input, the GL900 is capable of performing high-speed simultaneous measurements of voltage, temperature, and various other phenomena.



for temperature measurement ± Connections are made to both the BNC terminal and M3 screw terminal for the same channel.

Can be used as an X-Y recorder

The GL900 reproduces analog X-Y recorder movements and provides the illusion of pen up/pen down movements. It can be operated like an analog X-Y recorder and can also be used as a 4-pen X-Y recorder The digital data format facilitates post-measurement confirmation of data values and report creation.

Triager setting

1.00

2.00

Start key On

0.00

for GL (B-513 option)

elect either Pulse input or Logic input,

and use the optional input/output cable



High-precision temperature measurement even during high-speed sampling

Lets users perform high-precision temperature measurements even during high-speed sampling - ideal for performing combined voltage and temperature measurements

To perform measurements every 20 minutes

3.00

Timer setting Hourly cycle Start setting 00 minutes 00 seconds

Start trigger Off

Stop trigger Off

1.

Stop setting 20 minutes 00 seconds

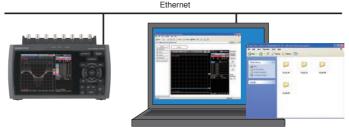
High-voltage measurement capability

The wide 500 V range enables 100 to 240 VAC power supply voltage waveform measurements. Using logic input and a clamp meter simultaneously allows measurement of a device's power supply voltage and current concurrently with sequential control of various points.



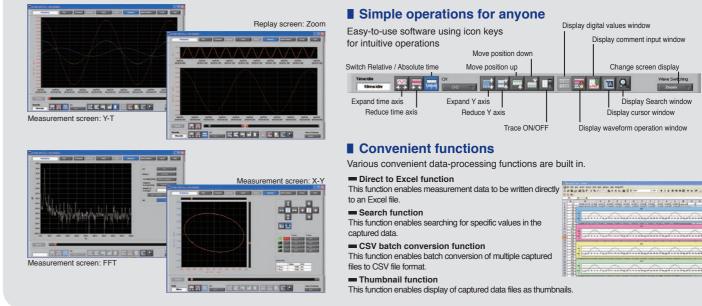
Easy PC measurement via USB; remote monitoring via Ethernet web server and FTP functions

The USB and Ethernet connections enable transfer of captured data to your PC and setup and control of the GL900 from a PC, even without the PC software provided standard with the GL900



Dedicated software for real-time data capture

Three measurement screens are provided to allow selection of the screen that best suits measurement needs. The Replay screen provides a Zoom screen feature to enable enlarged display of specific sections of long-term measurement data.





| | \checkmark | | N Data capture | |
|-----|--------------|------|----------------|--|
| :00 | 5:00 | 6:00 | | |
| | | | | |

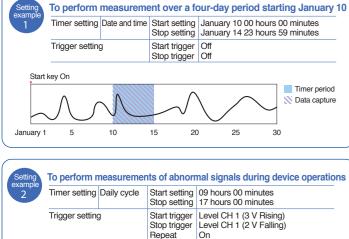
Timer period

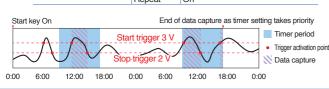
| Setting example 4 | To perform measurements for a period of one hour, every four hours, daily With the timer set to daily cycle status, data is captured repeatedly for one hour every four hours. | | | | | | | |
|-------------------------|---|----------------------|---|--|----------------------------|--|--|--|
| | Trigge | er setting | Start trigger Stop trigger Repeat | | | | | |
| | | | | | | | | |
| Timer settings T | | Timer mode | | Off, Date and time, Daily cycle, Hourly cycle | | | | |
| Trigger settings | | Start source setting | | Off, L | evel value, External input | | | |
| | | Stop source setting | | Off, Level value, External input, Scheduled time 0-100% | | | | |
| | | Pre-trigger | | | | | | |
| | | Repeat capture | | On, Off and Repeat interval | | | | |

LAN / USB

Comprehensive built-in trigger and timer functions

Using a combination of trigger and timer functions eliminates superfluous data and enables capture of only the required data.







In compliance with various test requirements, this data logger is capable of performing high-speed simultaneous voltage and temperature measurements

Built-in, large-format 5.7-inch color LCD for easy-to-read waveforms

The bright, easy-to-read large-format 5.7-inch color TFT LCD provides vivid. easy-to-read waveform displays. Cursor keys enable fast, easy control and setup. The waveform display can be scrolled at high-speed - 10 ms/DIV.







5.7-inch color TFT LCD

Free Running display for waveform-checking without the need for data capture

The Free Running display lets users check input signal waveforms even before measurements begin. Since waveforms are displayed on each setup screen, users can make settings while viewing the waveforms.

Cursor keys



Web server/FTP server functions Waveform display and GL900 setup operations can be performed via a web browser (e.g., Internet Explorer). In addition, data files captured to the GL900's internal memory or to a USB memory stick can be transferred or deleted from the PC.

USB drive mode

When your GL900 is connected to your PC via the USB interface, the GL900 can be operated in USB mode to enable fast, easy data transfers from internal memory to the PC.

NTP client function

Simply connect the GL900 to an NTP server via an Ethernet connection to synchronize GL900 time with NTP server time at periodic intervals.

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