## 2. SPECIFICATIONS

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| Resistance measurement range | | 0 - 0.12Ω/0 - 0.6Ω Two ranges |
| | Accuracy | 3 - 5A: ±10% f.s<br>5 - 30A: ± 5% f.s |
| Test current | | 3 - 30A AC Adjusted by dial on panel |
| | Output | Maximum current: 30A AC<br>Maximum voltage: 8V AC<br>These values are obtained when the line voltage is the center value of each input voltage range.<br>Note: These values cannot be obtained at the same time. |
| Output ammeter | Scale | 0 - 30A AC |
| | Accuracy | ±5% f.s |
| | Indication | Mean-value response, effective-value scale graduation |
| PASS-FAIL judgment function | Judgment method | ○ If the measured value is greater than the reference value, FAIL judgment is made, FAIL alarm is output, and output is cut off.<br>○ If no errors are found during a predetermined period of time, PASS judgment is made and a PASS signal is output. |
| | Reference value setting range | The reference value can be set within the range from 5% to 100% of the measurement range. |
| | Accuracy of judgment | 3 - 5A: ±15% f.s for reference value<br>5 - 30A: ±10% f.s |
| Subtraction function | | ○ A predetermined value can be subtracted from the measured value, and the result of subtraction can be displayed.<br>○ The result of subtraction can be compared with a PASS-FAIL judgment reference value, and the result of comparison can be used for the PASS-FAIL judgment. |

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| Subtraction function (cont'd) | | | |
| | Subtraction range | 0 - 0.1Ω | |
| | Subtraction error | Less than ±5% of full scale (Added to measurement accuracy or PASS-FAIL judgment accuracy) | |
| Test current monitoring function | | ○ The test current can be monitored during test.<br>○ If the test current goes out of the allowable range (approximately ±10% of the monitoring reference value), a WARNING alarm is raised.<br>○ The monitoring reference value can be set freely within the range from 3 A to 30A.<br>○ The user can choose whether to continue or stop the test when the alarm is raised. | |
| Test time | | 0.5 seconds to 10 minutes (with 4-range timer) | |
| Remote control | Start/stop operation | ○ Low active control<br>○ Input conditions<br>- High level input voltage: 11 - 15V<br>- Low level input voltage: 0 - 4V<br>- Low level sweepout current: 2 mA or less<br>- Input signal time width: 20 ms minimum<br>Note: The input terminal is pulled up to the +15V power source by a resistor. Opening of the input terminal is equivalent to input of high level voltage. | |
| Signal output | Signal type | Condition for signal output | Signal description |
| | TEST | In the testing period | Make-contact signal and lamp |
| | PASS | Approx. 50ms when judged PASS | Make-contact signal, lamp, and buzzer |

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| Signal output (cont'd) | FAIL | Continuous when judged FAIL | Make-contact signal, lamp, and buzzer |
| | WARNING | Refer to section on test current monitoring function | Make-contact signal and lamp |
| | READY | In the ready mode | Make-contact signal |
| | MONITOR | Always output | 0 - 10V DC |
| | Notes: (1) The rating of the contact is 1A at 100V AC or 1A at 30V DC.<br>(2) The loudness of buzzer for PASS signal and that for FAIL alarm can be adjusted by the same dial.<br>(3) The MONITOR output signal is a DC voltage signal which represents the reading of the ohmmeter. The scale of this signal is as follows:<br>0.5Ω range: 10V/0.5Ω<br>0.1Ω range: 10V/0.1Ω<br>The absolute value of the error of the above output voltage is 5% of the output value or 50 mV, whichever larger. | | |
| Ambient conditions | Specification temperature and humidity | 5 - 35°C/20 - 85% r.h | |
| | Operating temperature and humidity | 0 - 40°C/20 - 90% r.h | |
| | Storage temperature and humidity | -20 - 70°C, 90% r.h or less | |
| EMC | *1<br>*2 | Complide with the following standerds<br>European community Reauirements<br>(89/336/EEC)<br>EN55011<br>Radiated Emissions Class A<br>Conducted Emissions Class A<br>EN50082-1<br>IEC801-2 Electro-static Discharge<br>IEC801-3 Radiated Susceptibility<br>IEC801-4 Fast Burst Transient | |

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| SAFETY | *1 | Complide with the following standerds<br>European community Reauirements<br>(73/23/EEC) |
| Power requirements | Allowable line voltage | A: 90 - 110V B: 104 - 125V<br>C: 194 - 236V D: 207 - 250V<br>Frequency = 50/60Hz |
| | Power consumption | With no load: 20VA or less<br>(ready state)<br>For 30A output: 280VA approx.<br>(RL ≒ 0.22Ω) |
| | Insulation resistance | 30MΩ or higher at 500V DC |
| | Withstand voltage | 1000V AC, 1 minute |
| Dimensions (Including extrusions) | | 430W x 150H x 370D mm<br>(430W x 165H x 433D mm) |
| Weight | | 16kg approx. |
| Accessories | | o Short bars (to be attached to the Tester) 2<br>o 5p DIN plug (to be assembled) 1<br>o Power cable set 1<br>o AC plug Adaptor (3P-2P) *3 1<br>o Operation manual 1<br>o Fuse 3A (S.B.) *4 1 or 2<br>o Fuse 1.6A (S.B.) *4 2 or 1 |
| Options | | o LTP-2 Low Resistance Test Probe<br>o RC01-TOS Remote Control Box<br>o PL01-TOS Warning Light Unit<br>o BZ01-TOS Buzzer Unit<br>o BH3M-TOS Rack Mount Bracket for JIS<br>o BH4-TOS Rack Mount Bracket for EIA |

(Note)

*1 CE marking are put only on the product sold in Europe.

*2 Under following conditiions

・Used Low Resistance test Probe.

*3 The AC Plug Adaptor is provided only for model versions for use within Japan.

*4 Include a mount fuse holder.