

Clamp-on Testers



- AC A
- ∅30
- AC/200~600A
- RMS
- AC V/Ω



- AC A
- ∅54
- AC/400~2000A
- AC V/DC V/Ω

CL135

True RMS Display
Data hold function
Approved for conformity to safety standard EN61010-1, EN61010-2-031, EN61010-2-032 (CAT. III 600 V)

Specifications

At 23 ±5 75%RH or less
Accuracy: ± (% rdg + dgt) = ± (% readout + value of least significant digit)

| Parameter | Reference | Accuracy |
|--------------|-----------|---|
| AC current | 200A | 1.5+4 (50/60Hz) |
| | | 2.0+5 (40 ~ 1kHz) |
| | 600A | 1.5+4 (50/60Hz) |
| | | 2.0+5 (40 ~ 1kHz) |
| AC voltage | 200V/600V | 1.0+2 (50/60Hz) |
| | | 1.5+4 (40 ~ 1kHz) |
| | | 3 (50/60Hz) |
| Crest factor | 40A | 3 (50/60Hz) |
| Resistance | 200 | 1.2+4, Beeps at below 30 (continuity check) |

General Specifications

| Parameter | Specification |
|--------------------------------------|---|
| Method of detection | True RMS |
| Display | LCD(Digital display:1999 counts) |
| Response time | Approx. 1 second (approx. 2 seconds on resistance range) |
| Range switching | Manual-range |
| Data hold | On all range |
| Ambient temperature and humidity | -10-50 , (no condensation) |
| | up to 30 , 90%RH |
| | up to 40 , 75%RH |
| | up to 50 , 45%RH |
| Temperature coefficient | - |
| Influence of external magnetic field | 2A or less at 400A/m |
| Influence of conductor position | ± 3% or less |
| Safety standard | Conforms EN61010-1, EN61010-2-031, EN61010-2-032 |
| Circuit voltage | 600Vrms or less |
| Withstanding voltage | 5.55kV AC for one minute |
| Power supply | 6F22(006P)9V × 1 or 6LR61 × 2 |
| Battery life | Approx. 200 hours (continuous) |
| Consumed current | Approx. 2mA |
| Auto power-off | Approx. 10 minutes |
| Diameter of measurable conductor | 30mm at maximum |
| Dimensions | Approx. 93(W)×210(H)×40(D)mm |
| Weight | Approx. 400g |
| Accessories | User's manual(IM CL130), batteries, carrying case(93032) |

CL150

Mean value display
DC output function
Data hold function
Sleep function
Approved for conformity to safety standards EN61010-1, EN61010-2-031, EN61010-2-032 (CAT. III 600 V, CAT. II 1000 V)

Specifications

At 23 ±5 75%RH or less
Accuracy: ± (% rdg + dgt) = ± (% readout + value of least significant digit)

| Parameter | Reference | Accuracy |
|---------------------------------|----------------------------|--|
| AC current | 400A | 1.0+3 (50/60Hz) |
| | | 2.0+3 (40 ~ 1kHz) |
| | 2000A(0 ~ 1500A) | 1.0+3 (50/60Hz) |
| | | 3.0+3 (40 ~ 1kHz) |
| AC voltage | 2000A(1500 ~ 2000A) | 3.0(50/60Hz) |
| | | 1.0+2 (50/60Hz) |
| | | 1.5+3 (40 ~ 1kHz) |
| DC voltage | 40/400/1000V | 1.0+2 |
| Resistance | 400/4k/40k/400k | 1.5+2, Beeps at below 50±35 (continuity check) |
| DC output | 400A(0 ~ 400mV) | ± 1.5% rdg ± 0.5mV (50/60Hz) |
| | | ± 2.5% rdg ± 0.5mV (40 ~ 1kHz) |
| | 2000A(0 ~ 150mV/0 ~ 1500A) | ± 1.5% rdg ± 0.5mV (50/60Hz) |
| | | ± 3.5% rdg ± 0.5mV (40 ~ 1kHz) |
| 2000A(150 ~ 200mV/1500 ~ 2000A) | ± 3.5% rdg (50/60Hz) | |

General Specifications

| Parameter | Specification |
|--------------------------------------|---|
| Method of detection | Mean value |
| Display | LCD(Digital display:3999 counts) |
| Response time | Approx. 2 seconds |
| Range switching | Manual-range(on AC current range)/ Auto-range(on AC voltage range, resistance range) |
| Data hold | On all range |
| Peak hold | On AC current range |
| Ambient temperature and humidity | 0-40 , 85% RH or less (no condensation) |
| Temperature coefficient | - |
| Influence of external magnetic field | 1A or less at 400A/m |
| Influence of conductor position | ± (2.0% rdg + 3dgt) or less |
| Safety standard | Conforms EN61010-1, EN61010-2-031, EN61010-2-032 |
| Circuit voltage | 1000Vrms or less |
| Withstanding voltage | 5.55kV AC for one minute |
| Power supply | R6P(SUM-3) × 2 or LR6 × 2 |
| Battery life | Approx. 150 hours (continuous) |
| Consumed current | Approx. 5mA |
| Sleep function | Automatically powered down in about 10 minutes after the last switch operation |
| Diameter of measurable conductor | 54mm at maximum |
| Dimensions | Approx. 105(W)×247(H)×49(D)mm |
| Weight | Approx. 470g |
| Accessories | User's manual(IM CL150), batteries, carrying case(93034) |