

SENSORS

Optional Accessories of Loggers, Power Meter and Power Quality Analyzer

Applicable model table

| | | | 5010 | 5020 | 5050 | 6305 | 6315 |
|---------------------|------------------------|------|------|------|------|------|------|
| Sensor | Load current | 8121 | ✓ | ✓ | ✓*7 | | |
| | | 8122 | ✓ | ✓ | ✓*7 | | |
| | | 8123 | ✓ | ✓ | ✓*7 | | |
| | | 8124 | ✓ | ✓ | ✓*7 | ✓ | ✓ |
| | | 8125 | ✓*1 | ✓*1 | ✓*7 | ✓ | ✓ |
| | | 8126 | ✓*2 | ✓*2 | ✓*7 | ✓ | ✓ |
| | | 8127 | ✓*3 | ✓*3 | ✓*7 | ✓ | ✓ |
| | | 8128 | ✓ | ✓ | ✓*7 | ✓ | ✓ |
| | | 8129 | ✓*4 | ✓*5 | ✓*7 | ✓ | ✓ |
| | | 8130 | ✓*4 | ✓*5 | ✓*7 | ✓ | ✓ |
| | Leakage current | 8141 | ✓ | ✓ | ✓*7 | | ✓*6 |
| | | 8142 | ✓ | ✓ | ✓*7 | | ✓*6 |
| | | 8143 | ✓ | ✓ | ✓*7 | | ✓*6 |
| | Leakage & Load current | 8146 | ✓ | ✓ | ✓*7 | | ✓*6 |
| 8147 | | ✓ | ✓ | ✓*7 | | ✓*6 | |
| 8148 | | ✓ | ✓ | ✓*7 | | ✓*6 | |
| Ior Leakage current | 8177 | | | ✓ | | | |
| | 8178 | | | ✓ | | | |
| Voltage sensor | 8309 | | ✓ | | | | |
| | | | | | | | |
| Adaptor | | 8312 | | | | ✓ | ✓ |
| | | 8320 | ✓ | ✓ | | | |
| | | 8329 | | | ✓ | | |
| Case | | 9132 | | | | ✓ | ✓ |
| | | 9135 | ✓ | ✓ | | | |

*1 - 5: Can use with after the following serial numbers.

*1: 8125 No.02637 -

*2: 8126 No.00151 -

*3: 8127 No.00181 -

*4: 5010 No.8029792 -

*5: 5020 No.8031560 -

*6: Cannot be used for power measurement.

*7: Cannot be used for Ior measurement.

MODEL 8312

Power supply adaptor



Power source can be taken through the measured line (100 - 240v)(FUSE : 8923)

MODEL 9132

Carrying case with magnet



Easy-to-use setting with magnet on the steel plate etc. of switch board

MODEL 8320

AC adaptor (External power supply)



Appropriate for a longer period of recording. Complies to 90 - 264V(45 - 66Hz).

MODEL 9135

Carrying case



Dimensions : 250(L) × 270(W) × 216(D)mm

MODEL 8329

Power supply adaptor



Power source can be taken through the measured line (100 - 240v)(FUSE : 8923)

Ior Leakage current Clamp sensors

KEW **8177**

KEW **8178**

MAX 10A Ø40

MAX 10A Ø68



| | 8177 | 8178 |
|---|--|---|
| Conductor size | φ40mm | φ68mm |
| Rated current | 10A (rms) AC (14.1Apeak) | |
| Output voltage | 500mV AC/10A AC | |
| Accuracy | ±1.0%rdg±0.025mV (40Hz - 70Hz) ±4.0%rdg±0.025mV (30Hz - 5kHz, with inputs of 100mA or more) | |
| Phase shift | within 1.0% (45 - 70Hz while combining with KEW 5050, under the input of 10% or more of KEW 5050 leakage current range) | |
| Cable length : Output connector | Approx. 3m : MINI DIN 6pin | |
| Operating temperature & humidity ranges | -10 - 50°C, relative humidity 85% or Less (no condensation) | |
| Output impedance | Approx. 100Ω or less | Approx. 60Ω or less |
| Applicable Standards | IEC 61010-1, IEC 61010-2-032 CAT III 300V Pollution degree 2, IEC 61326-1 | |
| Dimensions | 128(L) × 81(W) × 36(D)mm | 186(L) × 129(W) × 53(D)mm |
| Weight | Approx. 280g | Approx. 560g |
| Accessories | 9095 (Carrying case), Instruction manual, Cable marker | 9094 (Carrying case), Instruction manual, Cable marker |
| Applicable model | 5050 | |

Voltage sensor

KEW **8309**



| | 8309 |
|---|---|
| Max. input voltage | AC 600Vrms(sin), 848.4Vpeak |
| Input system | Differential input (can measure floating voltage) |
| Output voltage | AC 0 - 60mV (output/input : 0.1mV/V) |
| Measuring ranges | 6 - 600V |
| Accuracy | ±1.0%rdg±0.1mV (50/60Hz) |
| Operating temperature & humidity ranges | -10 to 50°C, less than 85% RH (no condensation) |
| Input impedance | Approx. 3.4MΩ |
| Output impedance | Approx. 180Ω |
| Cable length: Output connector | Approx. 2m : MINI DIN 6PIN |
| Applicable Standards | IEC 61010-1 CAT. III 600V Pollution degree 2, IEC 61010-031, IEC 61326 (EMC) |
| Dimensions/Weight | 87(L) × 26(W) × 17(D)mm (excluding protrusions)/Approx. 135g |
| Accessories | Instruction manual |
| Optional | 7185 (Extension cable) |
| Applicable model | 5020 |