

# MULTI DATA SHEET

Let's Create  
New Concepts of  
Instruments

## M-730 AC/DC Clamp Milliammeter

+Complies with IEC6099-5 B1 measurement method when used alone, and available to comply with the same standard B2 measurement method when combined with MCV-36X1 (for distribution line).

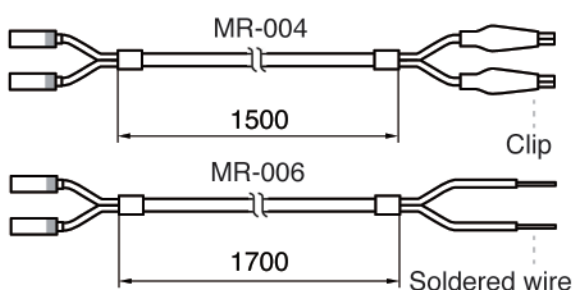
### Specification

|                                 |                                                                                                                                                                                                                                                                    |            |              |        |        |     |            |              |                                                                                    |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------|--------|--------|-----|------------|--------------|------------------------------------------------------------------------------------|
| Measurement                     | AC/DC Leakage current                                                                                                                                                                                                                                              |            |              |        |        |     |            |              |                                                                                    |
| Range<br>Resolution<br>Accuracy | AC:                                                                                                                                                                                                                                                                | Range      | 100mA        | 1000mA | 10A    | DC: | Range      | 100mA        | 1000mA (Max:1500mA)                                                                |
|                                 |                                                                                                                                                                                                                                                                    | Resolution | 0.01mA       | 0.1mA  | 0.001A |     | Resolution | 0.01mA       | 0.1mA                                                                              |
|                                 |                                                                                                                                                                                                                                                                    | Accuracy   | ±1%rdg±10dgt |        |        |     | Accuracy   | ±1%rdg±10dgt | 1.0~±300mA:1%rdg±10dgt<br>±300.1~±700mA:2%rdg±10dgt<br>±700.1~±999.9mA:3%rdg±10dgt |
| Influence                       | Terrestrial magnetism:Less than ±2.0mA<br>Magnetization:Less than ±2.0mA by DC 1.5A on/off<br>CT opening and closing:Less than ±1.0mA                                                                                                                              |            |              |        |        |     |            |              |                                                                                    |
| Range switchover                | AC:3range manual, DC:2range manual                                                                                                                                                                                                                                 |            |              |        |        |     |            |              |                                                                                    |
| Frequency range                 | 45~65Hz                                                                                                                                                                                                                                                            |            |              |        |        |     |            |              |                                                                                    |
| A/D conversion                  | Dual slope integration mode                                                                                                                                                                                                                                        |            |              |        |        |     |            |              |                                                                                    |
| AC converting                   | Average value rectification by RMS value calibration                                                                                                                                                                                                               |            |              |        |        |     |            |              |                                                                                    |
| Sample rate                     | AC:6 times/1s    DC:1time/1s                                                                                                                                                                                                                                       |            |              |        |        |     |            |              |                                                                                    |
| Insulation resistance           | More than 100MΩ by DC500V insulation tester (Between CT metal~Grip parts)                                                                                                                                                                                          |            |              |        |        |     |            |              |                                                                                    |
| Withstanding voltage            | AC3700V/1min (Between CT metal~Grip parts)                                                                                                                                                                                                                         |            |              |        |        |     |            |              |                                                                                    |
| Operating circuit voltage       | AC/DC 500V or less                                                                                                                                                                                                                                                 |            |              |        |        |     |            |              |                                                                                    |
| Operating temperature           | 0~50°C, RH 85%(w/o condensation)                                                                                                                                                                                                                                   |            |              |        |        |     |            |              |                                                                                    |
| CT type                         | 30mm with split core type ZCT                                                                                                                                                                                                                                      |            |              |        |        |     |            |              |                                                                                    |
| Power supply                    | LR6(AA)*4ea                                                                                                                                                                                                                                                        |            |              |        |        |     |            |              |                                                                                    |
| Motion                          | Power On/Off<br>Auto power off:Approx. 10min after last switch operation(Auto power off function can be released by the switch)<br>Over range indication:"OL" mark on LCD<br>Data hold indication:"DH" mark on LCD<br>Low battery indication:"Battery" mark on LCD |            |              |        |        |     |            |              |                                                                                    |
| Zero adjustment                 | For DC current range by "0 ADJ" switch                                                                                                                                                                                                                             |            |              |        |        |     |            |              |                                                                                    |
| Weight                          | 280g (w/o batteries)                                                                                                                                                                                                                                               |            |              |        |        |     |            |              |                                                                                    |
| Size                            | 78*155*32mm                                                                                                                                                                                                                                                        |            |              |        |        |     |            |              |                                                                                    |
| Standard                        | IEC61010-1, IEC61010-2-032 CATII 600V or CATIII 300V                                                                                                                                                                                                               |            |              |        |        |     |            |              |                                                                                    |
| Analog signal output            | DC 100mV full scale to each range(Output impedance: less than 10kΩ)                                                                                                                                                                                                |            |              |        |        |     |            |              |                                                                                    |

### Appearance



Output wire:



Data recorder (Image)  
Millivoltage input type

