



# NR-500

PC direct interface unit



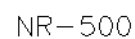
\*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

## Specifications

|   |                                       |   |
|---|---------------------------------------|---|
| Model                                     |                                       | NR-500  |
| Type                                      |                                       | Interface unit  |
| External calibration input signal         | Trigger input TRG IN                  | Voltage input: 10 to 30 VDC, Min. pulse duration: 2 ms, Effective pulse width: 1 ms or more   |
|   | Synchronization input SYNC IN         | Voltage input: 5 VDC $\pm$ 10%, Min. pulse duration: 20 $\mu$ s, Effective pulse width: 10 $\mu$ s or more  |
| Control output                            | Trigger output TRG OUT                | NPN open collector output: 1 ch, Maximum current: 100 mA (30 V or less), Residual voltage: 1 V or less, One-shot output                           |
| Withstand voltage                         | Between I/O and USB/DC IN/ system bus | 1500 VAC (50/60 Hz) for 1 minute  |
|   | Between trigger input and output      | 125 VAC (50/60 Hz) for 1 minute   |
| PC interface                              | USB                                   | USB Revision 2.0 High-speed-compliant (USB 1.1 compatible), Simultaneous USB connection from one PC to up to four units (switchable by ID switch) |
| Continuous collection speed               |                                       | Max. 100 kHz for all acquisition channels   |
| No. of connectable measurement units      |                                       | 8 units or less (not exceeding 20 W total measurement unit power)   |
| Synchronization between measurement units |                                       | $\pm$ 1 $\mu$ s or less*1   |
| Time axis accuracy                        |                                       | $\pm$ 50 ppm (23°C $\pm$ 3°C 73.4°F $\pm$ 5.4°F)  |
| Power supply                              |                                       | NR-U5 AC adapter or USB bus power (NR-TH08, NR-C512, NR-EN16 (no power output): when connecting one unit)   |
| Rating                                    | Power consumption                     | 0.9 W or less   |
| Environmental resistance                  | Ambient temperature                   | 0 to +40°C 32°F to 104°F  |
|   | Relative humidity                     | 10 to 85% RH (no condensation)  |
| Weight                                    |                                       | Approx. 110 g 3.88 oz (including OP-51581: NR-500 5-pole terminal block)  |

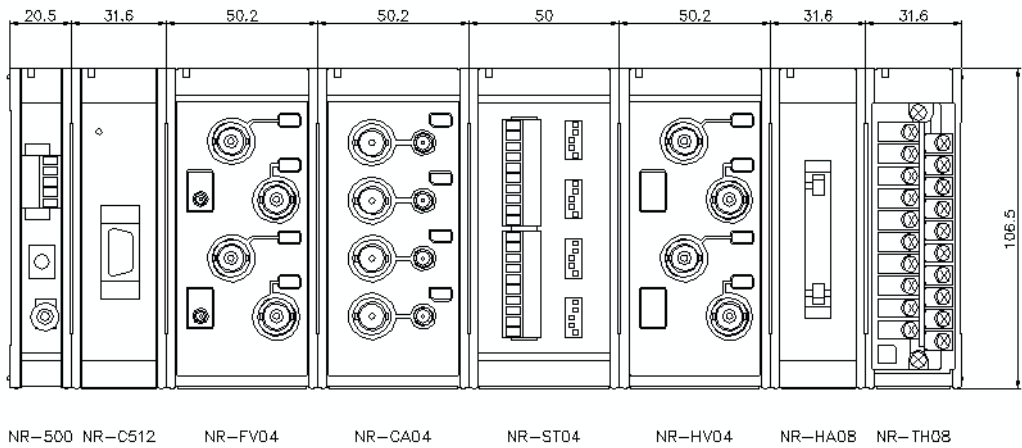
\*1 When using the NR-CA04 in combination with other unit types, the maximum sampling period is 40 ms or 1 sampling cycle, depending on the setting.

\* Download CAD file or product manual for larger image/text and more detail.



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NR5-COMBI



Arrangement of fixing holes

