

# WDS-500BE

## Sensor Checker

● Pocket-size Checker

3  
-118

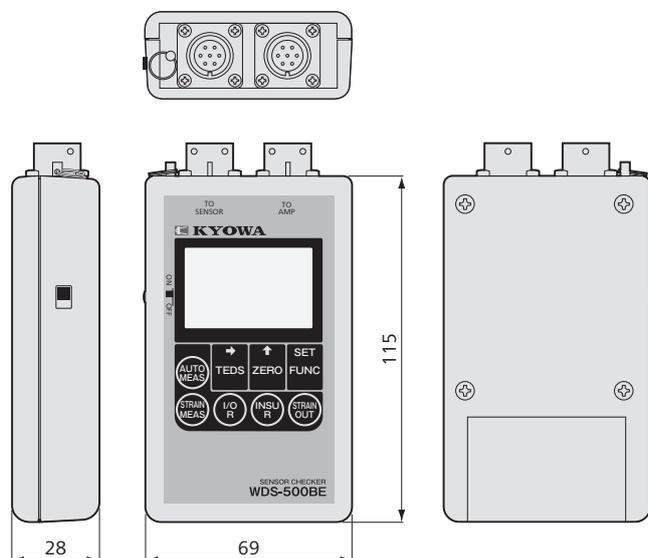


### A pocket-size checker is easy to check a strain-gage transducer and a strain amplifier

- Enables checking of both strain-gage transducers and strain amplifiers
- Strain, I/O resistance or insulation resistance are measured individually by pressing relative keys
- All these variables measured simultaneously in automatic mode is possible.
- Enables to check an amplifier by measuring the strain output from the amplifier
- Enables to indicate the TEDS information of the TEDS compatible transducers
- Compact & lightweight, just palm size
- Powered by 2 pieces of AA size dry cells.

Models	Connectors
WDS-500BE-0	Round connector (PRC03 female)
WDS-500BE-1	Square connector (3RT01 female)

### ■ Dimensions



### Specifications

<b>Applicable Instruments</b>	Strain-gage transducers, strain amplifiers
<b>Sampling Speed</b>	Approx. 2 times/s
<b>Auto Power OFF</b>	Selectable from 1 to 99 minutes or none
<b>Operating Temperature</b>	-5 to 40°C
<b>Operating Humidity</b>	20 to 85%RH (Non-condensing)
<b>Power Supply</b>	2 AA size dry cells
<b>Continuous Operation</b>	Approx. 8 h (Manganese dry cells, for 350 Ω transducer under normal temperature)
<b>Weight</b>	Approx. 220 g (Including built-in dry batteries)
<b>Dimensions</b>	69 W × 112 H × 28 D mm (Excluding protrusions)
<b>● Strain Measurement</b>	
<b>Applicable Bridge Resistance</b>	60 to 1000 Ω
<b>Measuring Range</b>	±5 mV/V (±10 k μm/m)
<b>Bridge Excitation</b>	Approx. 2 VDC (Selection between intermittent and continuous impression)
<b>Indication Accuracy</b>	Within ±(0.2% of reading+0.003) mV/V Within ±(0.2% of reading+5) μm/m
<b>Measuring Modes</b>	Strain mode: Where input strain quantity is indicated in mV/V or μm/m; zero compensation possible
<b>● I/O Resistance Measurement</b>	
<b>Measuring Range</b>	0 to 2000 Ω
<b>Indication Accuracy</b>	±(0.2% of reading+5) Ω
<b>● Insulation Resistance Measurement</b>	
<b>Measuring Range</b>	0 to 300 MΩ
<b>Applied Voltage</b>	Approx. 20 V DC
<b>Indication Accuracy</b>	±(15%+10) MΩ
<b>● Strain Output</b>	
<b>Output Range</b>	0.000 to ±5.000 mV/V (0.010 mV/V steps) 0 to ±10 k μm/m (10 μm/m steps)
<b>● Output Accuracy</b>	
<b>DC amplifier</b>	[mV/V] display: within ±(0.5%+0.020 of set value) [μm/m] display: within ±(0.5%+20 of set value)
<b>Carrier wave amplifier</b>	[mV/V] display: Within ±(5%+0.020 of set values) [μm/m] display: within ±(5%+20 of set value)
<b>I/O Resistance</b>	Approx. 350 Ω
<b>● Automatic Measurement Functions</b>	
Enables simultaneous measurement of input strain, I/O resistance, and Insulation resistance.	
<b>● TEDS Information Indication Functions</b>	
<b>Indicated Contents</b>	Model of transducer, Kyowa original serial number, rated capacity, engineering unit, rated output, input resistance and serial number of TEDS format.

\*Impossible be used for calibration

<b>Standard Accessories</b>	Instruction manual, 2 AA manganese batteries
<b>Optional Accessories</b>	Input cable U-16 (4-conductor, terminated with alligator clips) Silicon covers: WDS-500-COVER-B (Blue) WDS-500-COVER-R (Red) WDS-500-COVER-Y (Yellow) WDS-500-COVER-G (Green) WDS-500-COVER-D (Dark gray) WDS-500-COVER-L (Light gray) Soft case WDS-500-CASE (With shoulder strap)

