

# WDS-100ES

Weighing Checker

● Portable



The WDS-100ES is a simplified portable checker, which enables on-the-spot inspection of a measuring equipment using strain-gage transducers. It enables measurement of output strain quantity, inspection of insulation resistance and generation of equivalent strain. Thus, it can conveniently be used to inspect a system using strain gage transducers.



## Features

- Measurement of transducer output value
- Measurement of transducer input/output resistance
- Inspection of transducer insulation resistance
- Generation of reference equivalent strain for inspection of operation of measuring equipment
- Continuity inspection of contact output, etc. through continuity buzzer

## Specifications

**Inspection Objects:** Strain gage-based measuring instruments  
**Strain Measurement**

Applicable transducers: 4-gage system strain-gage transducers with bridge resistance of 60 to 350  $\Omega$

Measuring range:

$\pm 1999 \mu\text{m/m}$  with x1 range

$\pm 19990 \mu\text{m/m}$  with x10 range

Bridge Excitation Voltage: Approx. 1.5 VDC

**Input/Output Resistance Measurement**

Measuring range: 0 to 1999  $\Omega$

**Insulation Resistance Check**

Measuring range: 4 levels of approx. 1 M $\Omega$  or less, approx. 1 M $\Omega$ , approx. 10 M $\Omega$  and 100 M $\Omega$  or more

Applied voltage: Approx. 25 V

**Continuity Check**

Applied voltage/current: Approx. 3 V/1 mA

Checking method: Buzzer

**Output**

Strain: 0 to  $\pm 2000 \mu\text{m/m}$  in 17 ranges

Input/output resistance: Approx. 350  $\Omega$

**Power Source:** AA size dry cell x 2

**Dimensions:** 92(W) x 182(H) x 25(D) mm (excluding protrusions)

**Weight:** Approx. 600 g

*The WDS-100ES is designed for inspection and cannot be used for calibration.*

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