

Portability

**Palm-sized
approx. 110g**

**High
Sampling
Speed**

500 time/sec



**5-digit
display
with backlight**

**Suitable for
field measurement**

**Detect the peak
with high-sampling!**

**Internal
Data Storage**

**Data transfer
via USB memory**

Portable High-speed Digital Indicator **WDS-191AS54**

Product Overview

WDS-191AS54 is a portable, battery-operated digital indicator with recording function. High-sampling (approx. 500 times/sec) enables the dynamic measurement, and the data can be transferred to PC via USB memory.

System Example

Case1


Strain gage


Bridge box



Data



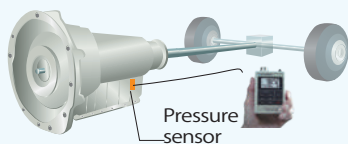
PC

Case2

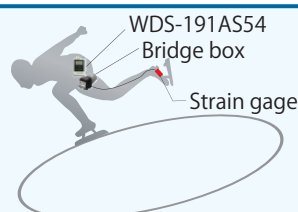

Strain-gage Transducers
(Pressure, Displacement, Force etc...)

WDS-191AS54

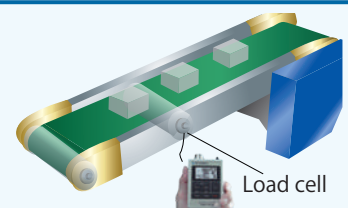
Applications



**Oil-pressure measurement
on transmissions**



Measurement for speed skating



**Load management
for production line**

Move into the future with reliable measurements

 **KYOWA**



Portable Digital Indicator

WDS-190AS・WDS-191AS

WDS-190AS : Indicating function only

WDS-191AS : With recording function
(approx. 50 times/sec)

Take your choice!



Sensor Checker

WDS-500B

Automatic measurement for strain,
input/output resistance and insulation resistance.

Suitable for sensor/DAQ health check
at trouble shooting or preliminary test!



WDS Characteristics

Model	Sampling Speed	Peak -hold	Recording	Strain Value	Physical -quantity	Check function
WDS-191AS54	Approx. 500 times /sec	○	○ (Interva-meas, available)	○	○	—
WDS-191AS	Approx. 50 times /sec	○	○	○	○	—
WDS-190AS	Approx. 50 times /sec	○	—	○	○	—
WDS-500B	Approx. 2 times /sec	—	—	○	—	○

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Safety Precautions

- Be sure to observe the safety precautions given in the instruction manual, in order to ensure correct and safe operation.
- Do not use in locations subject to significant water, dampness, steam, dust, or flammable gases.
Doing so may lead to fire, electrical shock, or malfunction.
- Specifications and designs are subject to change without notice.
- Please contact us if using the detailed products for special applications.
- Detailed company and product names are the trademarks or registered trademarks of their respective owners.
- The warranty details can be found on the "Product Warranty" attached to the product and on the following website.
www.kyowa-ei.com/eng/company/quality/warranty.html
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