

Compact Three Dimensional Displacement Sensor

DWT-C-SA1

NEW

Measures the dynamic 3-dimensional position changes in narrow installation spot.

- ☐ Measures the dynamic 3-dimensional position changes.
- ☐ Wide operating temperature
- ☐ Lightweight. Influence on measuring target is small.
- ☐ Degree of protection: IP42

Features

Compact

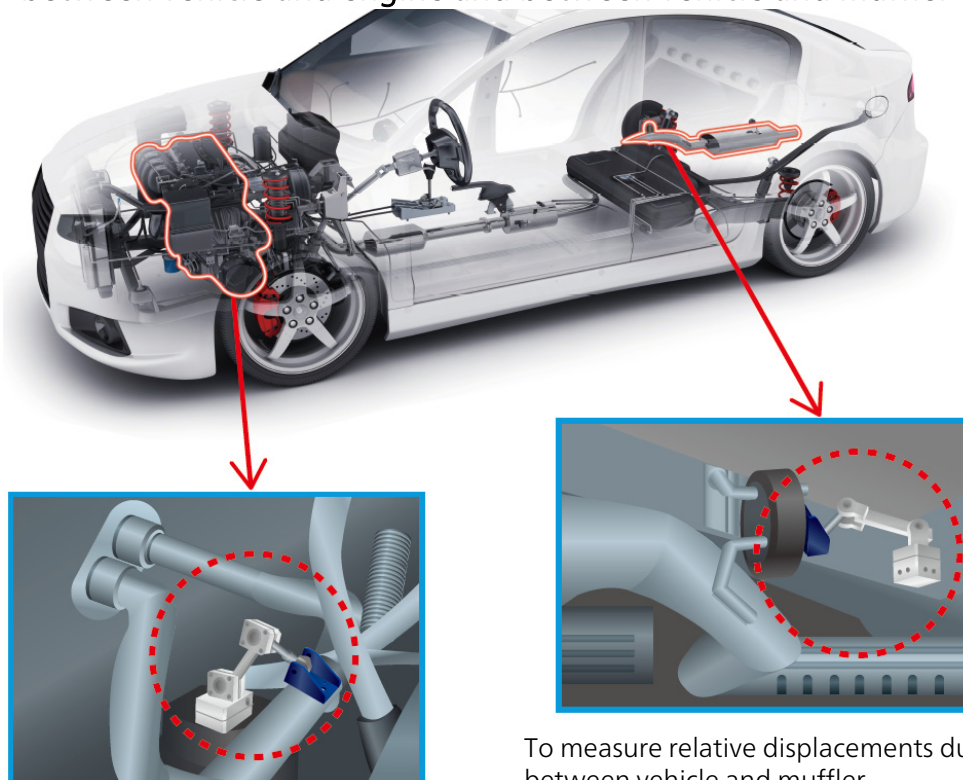
Lightweight

High durability

Simple handling

Applications

To measure relative displacements
between vehicle and engine and between vehicle and muffler



To measure relative displacements due to vibration between vehicle and engine pipes

To measure relative displacements due to vibration between vehicle and muffler
(Mountable on side)

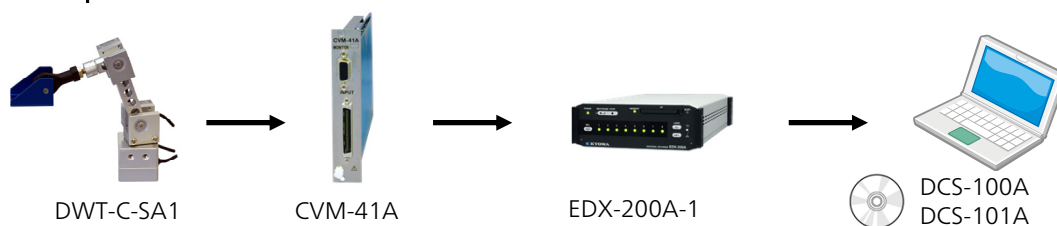
Specifications

Performance	
Rated Capacity	X axis: -15 to 25 mm Y axis: -10 to 10 mm Z axis: -30 to 0 mm (From measurement point in outline drawing*) *Contact us for changing specifications.
	Nonlinearity ±1.5% FS (On the coordinate axis, static condition)
	Hysteresis ±1.5% FS (On the coordinate axis, static condition)
	Interference Output Within ±1 mm (Static condition)

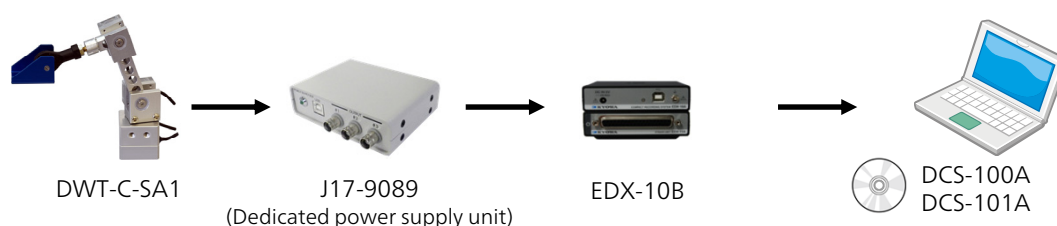
Environment Characteristics	
Safe Temperature	-20 to 70°C (Non-condensing)
Compensated Temperature	-20 to 70°C (Non-condensing)
Electrical Characteristics	
Recommended Excitation	5V DC
Cable	4-conductor (0.035 mm ²) vinyl shielded cable, 2 m, 1.7 mm diameter by 2 m long, terminated with connector plugs NDIS4102 (7 pins) × 3 (Shield wire is not connected to the case.)
Mechanical Properties	
Frequency Response	DC to 30 Hz (Sensitivity deviation ±10%)
Weight	Approx. 50 g (Excluding cable)
Degree of Protection	IP42 (IEC 60529)

Contents

■ Pattern 1: Simple version



■ Pattern 2: Affordable price version



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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.

- Specifications are subject to change without notice for improvement.
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Manufacturer's Representative