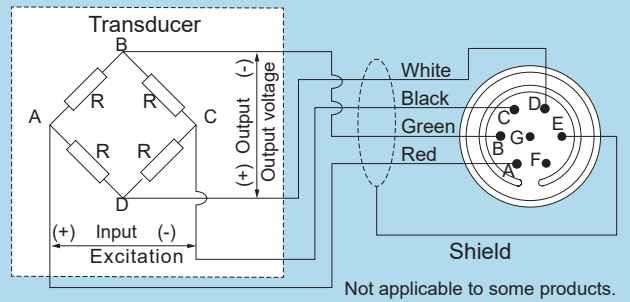


# DISPLACEMENT TRANSDUCERS

TML displacement transducers are used to measure various types of displacement such as displacement in structures and machinery as well as elongation and cracks in materials testing. They are widely used in applications ranging from testing and research to control. We offer a wide spectrum of displacement transducers to fit any type of measuring item, mounting location or displacement, and our products can easily be combined with Data Loggers or other equipment for automatic measurement of multiple points.

## OUTPUT POLARITY WITH A LOAD

The measured value changes in positive (+) direction when the distance between the displacement transducer and the contact point increases or when the distance between two contact points increases (for crack measurement).

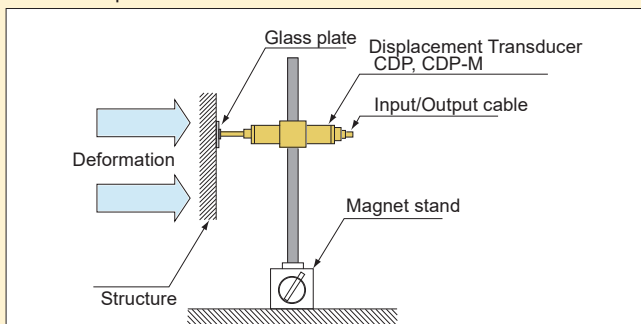


## Displacement transducer selection

Application	TYPE	Capacity (mm)													Page	
		2	5	10	20	25	30	50	100	200	300	500	1000	2000		5000
High sensitivity	CDP		●	●		●		●	●							40
	CDP-M/-MT		●	●		●		●	●							41
Drip-proof structure	CDP-B		●	●		●										42
High sensitivity, Two-isolated I/O ports type	CDP-D							●	●							42
High sensitivity, Tension use	CDP-T					●										43
General, Ruler built-in	SDP-E							●	●	●	●					44
Tension use, Ruler built-in	SDP-ET							●	●							45
Dial gauge type	DDP-A			●	●		●	●								45
Tape measure type	DP-E														●	46
	DP-G										●	●	●			46
Waterproofing structure	FDP-A			●		●		●	●							47
Large span	PI	●	●													48
Ring type	OU			●	●			●								49
Simplest construction	CE	●	●	●												49
Simple design, COD (Crack opening displacement) measurement	RA	●	●													50
	RA-L	●	●													50
	UB	●	●													50
	UB-A		●													50
Displacement transducers accessory		Contact tips, Hook bolt, Holder, Magnet stand, Fixing jigs, etc.													51	
Extensometer	EDP-A/-B		●													52

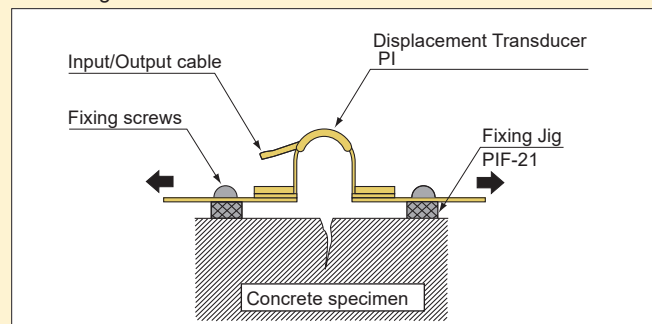
## EXAMPLE OF DISPLACEMENT TRANSDUCER USE

### General displacement measurements



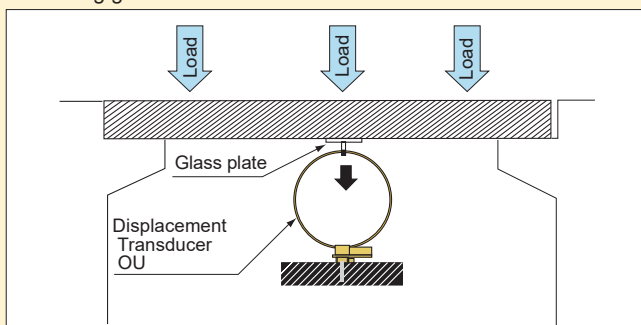
This configuration is used to measure structural deformation and movement.

### Measuring cracks in concrete



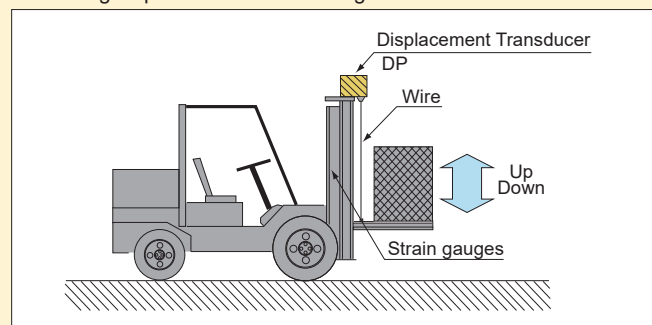
This configuration is used to measure opening displacement due to cracks propagating in concrete.

### Measuring girder bend



This configuration is used to measure bend with a load applied to a bridge girder.

### Measuring displacement and bending strains



This configuration is used to measure displacement and bending strains in forklift truck onboard measurement.