

# Asphalt Mold STRAIN GAUGE series "PMFLS"



Operational temperature -20~+60°C

## ASPHALT PAVEMENT USE

Gauge pattern	Type	Gauge size		Backing		Resistance in Ω
		L	W	L	W	
<p>The gauge is embedded in asphalts and used for testing in loading application such as rolling compaction. The material of the gauge base is super engineering plastics with water and heat resistance. The gauge withstands a high temperature up to 200°C expected when asphalts are placed and is self-temperature-compensated for the asphalts.</p> <p>●Single element Leadwires used: 6mm dia. 4-core shielded chloroprene insulated, 2m long Total resistance per meter of leadwires : 0.11 Ω 3-wire quarter bridge configuration</p>		L : length W : width (Unit : mm)				
	PMFLS-60-50-2LT	60	120	13	7	60

# Pavement surface STRAIN GAUGE series "SSM-360"

Compatible adhesive & Operational temperature  
PS (-20~+80°C)  
RP-2 (-20~+80°C)

Operational temperature -20~+80°C  
Temperaturecompensation range +10~+80°C

## PAVEMENT SURFACE

Gauge pattern	Type	Gauge size		Backing		Resistance in Ω	
		L	W	L	W		
<p>The gauge has 16 strain elements in X or Y direction on the same gauge base. The gauge is stuck on the surface of pavement and can monitor strain distribution of the surface.</p> <p><b>SSM-360-X</b></p> <p><b>SSM-360-Y</b></p>		L : length W : width (Unit : mm)					
	SSM-360-X	10	0.9	360	100	120	<p>●Single element X direction 16 strain elements</p>
	SSM-360-Y	10	0.9	360	100	120	<p>●Single element Y direction 16 strain elements</p>

This series is a joint development product with National Institute for Land and Infrastructure Management - Airport Department, Toa Road Corporation and TML.  
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A test conducted for some pavement study demonstrated that the strains in the longitudinal direction of the pavement measured by the surface strain gauge almost coincided with the strains obtained by multilayer elastic analysis.