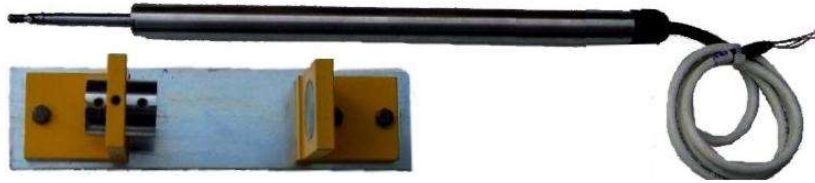


JOINT/CRACK METER

MODEL SI-JME-001Series



The model **SI-JME-001 Series** Joint/Crackmeter consists of a spring loaded, compression type vibrating wire displacement transducer and two installation brackets. One mounting bracket supports the displacement transducer while the other is anchored across the joint on to the reference surface. The spring-loaded shaft of the displacement transducer is always in contact with the reference surface at the other side of the crack. The sliding rod senses the movement between the two anchors and gives a frequency output which is read by the indicator.

For measurement in **three orthogonal** directions (**3D**) **SI-JME-001** XYZ or perimetric joint meter is used. This version has three sets of displacement transducer assemblies installed across the crack in three mutually perpendicular directions. Free movement of the sliding shaft in all directions ensures accuracy of measurement.



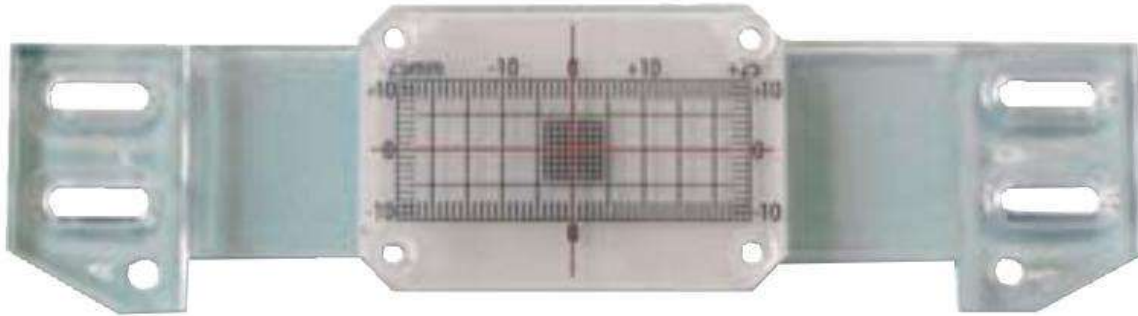
SPECIFICATIONS

Standard Ranges	50mm, 100 mm , 150mm.
Non-linearity %fs	1%fs
Material (outer body)	Stainless steel
Operating Temperature	-10 ⁰ to 80°C
Thermistor	3k Ohm @ 25°C)
Dimension	20 mm dia
Cable	1m , 4 core shielded.

CRACK METER (MECHANICAL)

MODEL SI-CMM-001 Series

SysTel India make mechanical crack meter consists of two plastic plates with two holes to mount the gauge across the crack. One plate is cursors calibrated in millimeters and the overlapping plate is marked with two orthogonal hairlines. Each plate is provided with a target to allow accurate measurements with a caliper. It is also available for angular crack monitor and floor crack monitor.



TT-1 Type	:	2-D biaxial
Mechanical range	:	$\pm 25\text{mm}$ (X axis), $\pm 10\text{mm}$ (Y axis)
Division	:	millimetres
Distance between fixing point	:	135 mm ± 5 mm
Overall dimension	:	160 x 60 x 5 mm
Material	:	polycarbonate

PERFORMANCE WITH CALIPER

Resolution	:	0.01 mm
Accuracy	:	0.05 mm