

VIBRATING WIRE LOAD CELL		SI-LC-000 SERIES
		Model SI-LC-000 series vibrating wire type centre hole load cells are used to determine load in rock bolts, tieback anchors, etc. It is comprises of a cylinder of high strength stainless steel with three vibrating wire strain gages mounted at 120° to each other to minimize the effect of uneven and eccentric loading. For determination of the load, the average of three readings is taken. Load cell with six vibrating wire base element and nine core cable is available on request of client. Based support load cell for stress measurement in tunnel supports and struts is also available on request.
FEATURES • It has excellent long term stability. • Due to frequency output long cable can be used without any loss of observed value. • It has low temperature coefficient, so are least affected by temperature variation. • Even radiation does not affect the working of the load cells. • Eccentric loading is accounted for by averaging the readings from all the sensors.		
SPECIFICATION		
Range (kN)/ID (mm)	250/27, 500/52, 1000/78, 1500/102, 2000/127, 2000/152, 3500/202, 5000/202, specify (based support load cells are also available on request)	
Over range capacity	150 %	
Calibration accuracy	0.25 % fs	
Non-linearity	± 1 % fs	
Temperature limit	-10 to 80° C	
Thermistor	3Ω or equivalent (on request)	
Cable connection	Four core shielded 2 m long; specify	