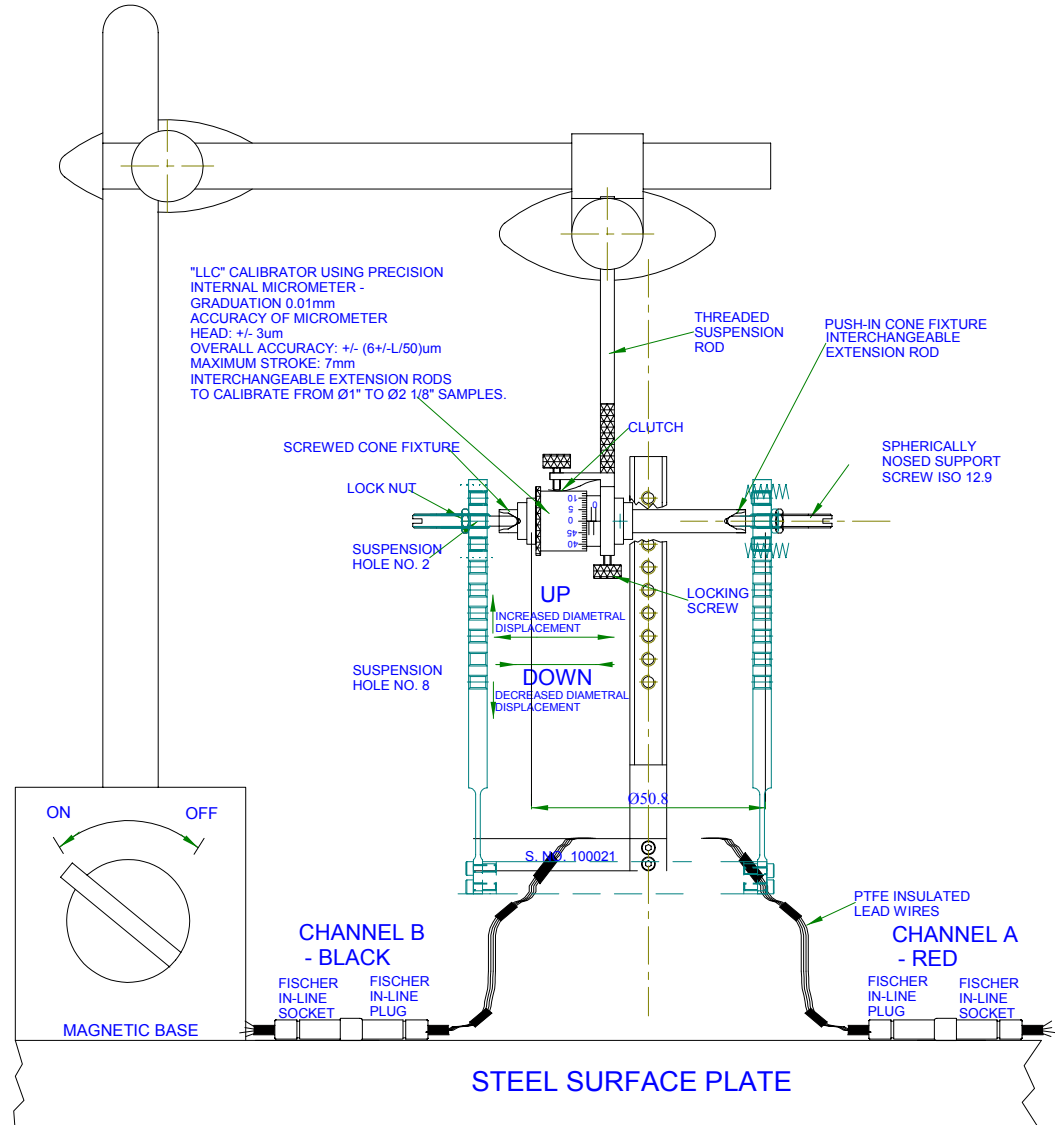
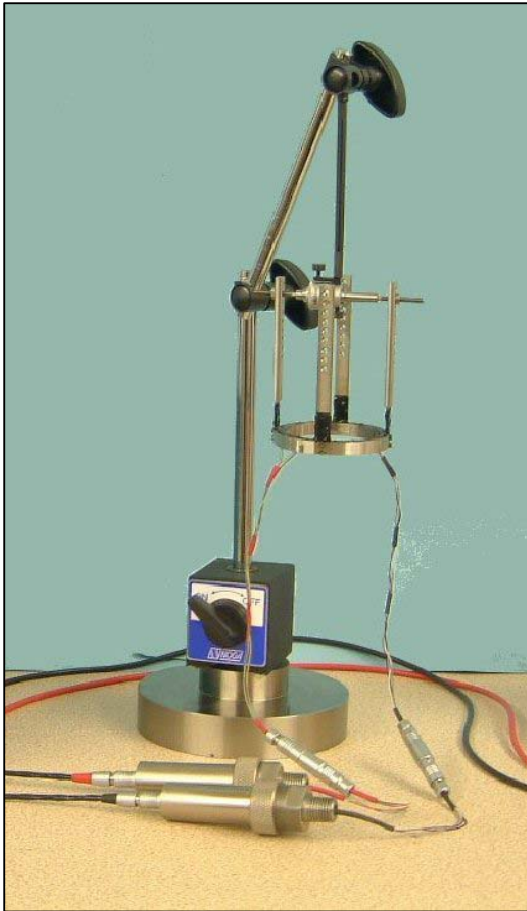


Room Temperature 2 Channel Cantilever Calibrator

Features:

- Handy magnetic base clamp for easy mounting of calibration jig
- 0.01mm resolution
- Covers full range of all ErgoTech cantilevers



I:\PRODUCTS\Cantilever Calibrator\Promo - Room Temp Cantilever Calibrator.doc

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Room Temperature 2 Channel Cantilever Calibrator

Cantilever Transducer Calibration Certificate

Date: DD/MM/YY

Serial No.:100XXX

Calibrated by.: J.Doe

Temperature: 22.0°C

Lead Colours	Channel A				Channel B			
	Power		Signal		Power		Signal	
Transducer wires	+ ve Red	- ve Blue	+ ve Yellow	- ve Green	+ ve Brown	- ve Black	+ ve White	- ve Mauve
Signal cable wires	+ ve Red	- ve Blue	+ve Yellow	- ve Green	+ ve Red	- ve Blue	+ve Yellow	- ve Green

Bridge output status	Channel A (mV)	Channel B (mV)
Off-set zero before calibration	-0.143	2.472
Off-set zero after calibration	-0.155	0.083

Energisation voltage (V. DC)	10.00
Suspension hole number from top of cantilever beam	2
Beam length (suspension point to strain gauge) (mm/ins)	
CALIBRATION SAMPLE DIAMETER (mm/ins)	38.1 / 1.50

Displacement (mm)	Channel A (mV)				Channel B (mV)			
	Pre-straining before calibration				Pre-straining before calibration			
	Up	down	Sh. 10%	Sh. 50%	up	down	Sh. 10%	Sh. 50%
0	3.221	3.180			7.593	6.698		
0.5	5.875	5.800			10.240	0.954		
1	8.542	8.460			12.865	12.115		
1.5	11.198	11.116			15.474	14.730		
2	13.852	13.770			18.081	17.356		
2.5	16.508	16.431			20.680	19.985		
3	19.158	19.086			23.190	22.625		
3.5	21.809	21.742			25.700	25.274		
4	24.458	24.393			28.250	27.916		
4.5	27.100	27.048			30.813	30.573		
5	29.746	29.697			33.410	33.220		
5.5	32.386	32.352			35.980	35.873		
6	35.020	35.020			38.540	38.540		
correlation coeff	0.99999905	0.999999655			0.999981504	0.981907082		
slope	5.300923077	5.308802198			5.142164835	5.75832967		
intercept	3.241307692	3.157824176			7.713197802	4.714126374		
fso	31.799	31.84			30.947	31.8425		