



Dynamic & Static Strain test system

Model: YE2541

FEATURES

Internal scanner provides 8 measuring channels as standard and is extensible to a maximum of 48 channels allowing a maximum of 800 measuring channels (100 units of YE2541). Quasi static sampling rate: 100Hz/Ch, Built-in 120Ω standard resistance, each measured point composes of bridge, the largest transmission distance: 10 km via CAN interface, Suitable for strain test of bridges, railways and other major engineering. Use either bespoke or 'off the shelf' software to achieve simple and quality measurements.



Input Range	0- ±19999μϵ	
Resolution	1μϵ	
channels (single module)	8 points, expandable to 800 points	
tolerance	±0.3% FS±2μϵ	
Scanning speed	100Hz	
Auto-balance Range	0 - ±19999μϵ (Power-down store)	
Interface	CAN	
Bridge Resistance	60 - 1000Ω (Gauge Sensitivity K=1.0 - 9.99)	
Bridge Type	1,1/2; 1/4, Common Compensation	
Stability	Zero Drift	±3μϵ/4h ≤±1μϵ/°C
	Sensitivity	±(readout×0.1%+1μϵ)/2h ±0.02%FS/°C
Bridge Voltage	DC2V(Optional)	
Temperature/Humidity	Operating Temperature :0 to 50°C; Operating Humidity: 20 to 80% RH	
Power Supply	AC:220V50Hz/0.5A; DC:+12 to +40V	
Dimensions (mm)	80 W×40H×340D (single module)	
Weight	1.5Kg single module (8 channels)	

Static Strain Test System Connection Diagram

