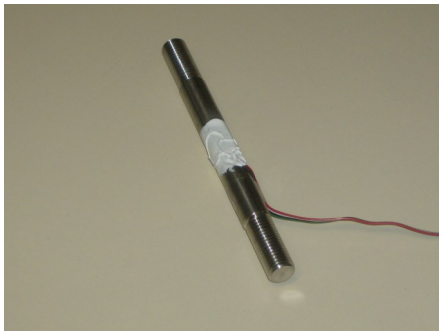
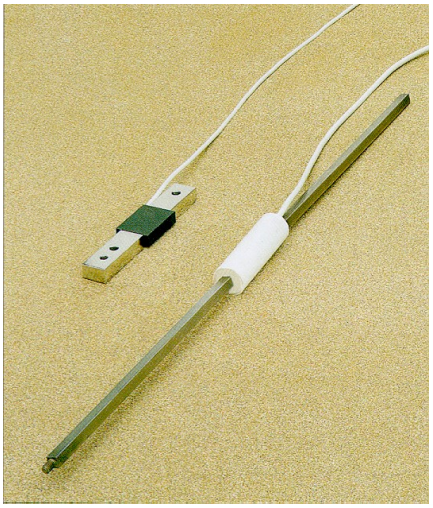
STRAIN-METER FOR CONCRETE STRUCTURES





This particular type of gauge is installed in diaphragm walls, struts, piles, and tunnels as it measures stresses and strains in concrete.

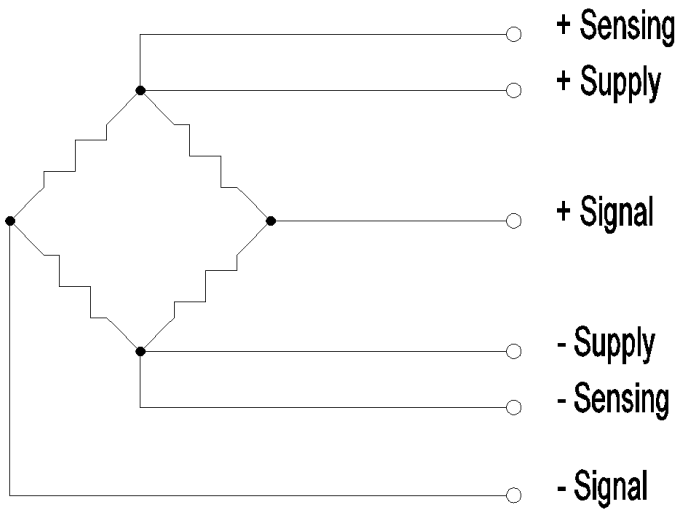
These steel bars have a Wheatstone bridge attached to measure the stresses of the bar.

Only two of the strain gauges are active thus removing the influence of flexing and thermal variations.

This simplifies the readings and takes away the need for additional complicated calculation or instrumentation.

The sensor is protected from damage from impact by layers of resin which also protects the device from pressure from submersion in liquids.

Therefore theses gauges can be attached to reinforced cages and embedded in concrete.



TECHNICAL SPECIFICATIONS

STRAIN METER FOR CONCRETE STRUCTURES	
Supply	2 ÷ 15 Vdc/ac
Standard supply	5 V
Deformation	±1500 με
Input impedance	350 ± 20 Ω
Total error	± 1% F.S.
Sensitivity	1με
Nominal output	1,5 mV/V
Insulation	>5000 MΩ
Material	Steel
Protection degree	IP68
Temperature compensation	-10 °C +50 °C
Temperature operation range	-20 ÷ +70 °C
Full scale load	1000 kg
Max overload	150% F.S.

Agisco reserve the right to change their products and specifications without notice

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