

Strain Gauges

General Description

They provide a very accurate electrical signal, strictly proportional to the strain of the specimen submitted to load application, for determining the Elastic Modulus and strength characteristics as alternative to the Compressometer-Extensometers 55-C0222/G. They can be applied to the specimen surface by a special Adhesive-Catalyst agent and other accessories all included in the 82-P0399/C Strain gauge application kit. Up to 4 strain gauges $\frac{1}{4}$ bridge, and up to 8 $\frac{1}{2}$ bridge, can be directly connected by one or two interfaces 82-P0398 to our automatic control consoles Advantest, MCC or Automax Multitest which are suitable for cyclic loading and automatic determination of the Modulus of Elasticity.



Strain gauges can also be connected, by one or two interfaces 82-P0398, to a suitable data logger as, for example, our model 82-P9008 when the load application on the specimen is performed with Automatic compression testers as, for example the AUTOMAX and PILOT models. In this case, one of the channels of the Datalog 82-P9008 should be used for the load signal coming from an additional pressure transducer with selecting valve fitted to the compression tester.

Please get in touch with our technicians for complete information and service.

Specifications

Models 82-	P0390	P0391	P0392	P0393	P0396
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Grid width mm0,9	0,9	1,2	2,3	1	1
Gauge length mm	10	20	30	60	120
Resistance ohm	120	120	120	120	120
Bridge	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
No. of gauges per package	10	10	10	10	10

Ordering Info

82-P0390

Strain gauge, 10 mm gauge length. Pack of 10

82-P0391

Strain gauge, 20 mm gauge length. Pack of 10

82-P0392

Strain gauge, 30 mm gauge length. Pack of 10

82-P0393

Strain gauge, 60 mm gauge length. Pack of 10

82-P0396

Strain gauge, 120 mm gauge length. Pack of 10

82-P0399/1

Connecting terminals, 50 pairs sheet

82-P0399/C

Strain gauge application kit including: conditioner, neutralizer, acetone, tweezer, adhesive with catalyst agent, 100 m of bipolar cable, solder, soldering iron, scalpels, scissors, duct tape, sellotape, sandpaper and carrying case.

82-P0398

Compensation device for up to 4 Wheatstone bridges with $\frac{1}{4}$ or $\frac{1}{2}$ bridge setup

Accessories

82-P0399/P22

Adhesive and catalyst agent to glue the strain gauge to the specimen. (Part of kit 82-P0399/B)