



MARPOSS

E59N

THE NEW UNIVERSAL ELECTRONIC INSTRUMENT FOR NON DESTRUCTIVE TESTING OF MATERIAL STRUCTURE AND INTEGRITY

UNIVERSAL

The new electronic E59N allows a complete material analysis either in terms of heat treatment verification, such as surface hardness, case depth, or material integrity (ie. presence of cracks, porosity etc.).

MODULAR

Thanks to a modular concept it is possible to configure the proper hardware to perform at the optimal frequency.

INNOVATIVE

Multifrequency testing and automatic learning functions make the E59N a very innovative testing instrument. The material structure inspection can be performed by means of 8 working frequencies in a simultaneous mode.

ECONOMIC

The high performance of the E59N and its compact size make this new electronic instrument extremely competitive.



GENERAL FEATURES

Channels (Max. 4)	4 channels for material structure inspection
	4 channels for material integrity inspection
	2 channels for material structure inspection plus 2 channels for material integrity inspection
Number of probes	Max 4
Working frequency	10 Hz ÷ 40 kHz (material structure) 10 kHz ÷ 2 MHz (material integrity)
Number of parameter sets in memory	up to 256
Microprocessor	DSP processor for signal analysis
Part to probe distance compensation	Yes (for material integrity inspection)

INTERFACES

I/O optoinsulated	number of signals 32 (16 Out.; 8 In.; 8 In/Out programmable)
BCD	number of signals 32 (8 Out.; 8 In.; 16 In/Out programmable)
Serial	RS 232 transmission protocol: according to specific needs
Field Bus	Profibus/Interbus-S
Power Supply	24 Vdc (-15/+20)%
Power Consumption	60 W
External Trigger	Yes
High speed dedicated I/O	Yes

USER INTERFACE

Auto setting function	Yes
Guided sequence menus	Yes
Graphic LCD	dimension 320 x 240 pxls, ¼ VGA Color
Remote panel	max. remote distance 20 m (65 feet)

CABINET

Dimensions	H x W x D: 132.5 x 279 x 300 mm (5.2" x 10.9" x 11.8")
Seal	Standard IEC 529 : IP 54



For a full list of address locations, please consult the Marposs official website

D6E59N00G0 - Edition 01/2008 - Specifications are subject to modifications
© Copyright 2004 - 2008 MARPOSS S.p.A. (Italy) - All rights reserved.

MARPOSS, ® and Marposs product names/signs mentioned or shown herein are registered trademarks or trademarks of Marposs in the United States and other countries. The rights, if any, of third parties on trademarks or registered trademarks mentioned in the present publication are acknowledged to the respective owners.



MARPOSS
www.marposs.com

Marposs has an integrated system to manage the Company quality, the environment and safety, attested by ISO 9001 and ISO 14001 certifications. Marposs has further been qualified EAQF 94 and has obtained the Q1-Award.