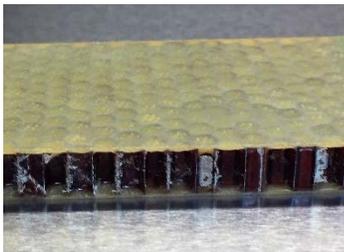
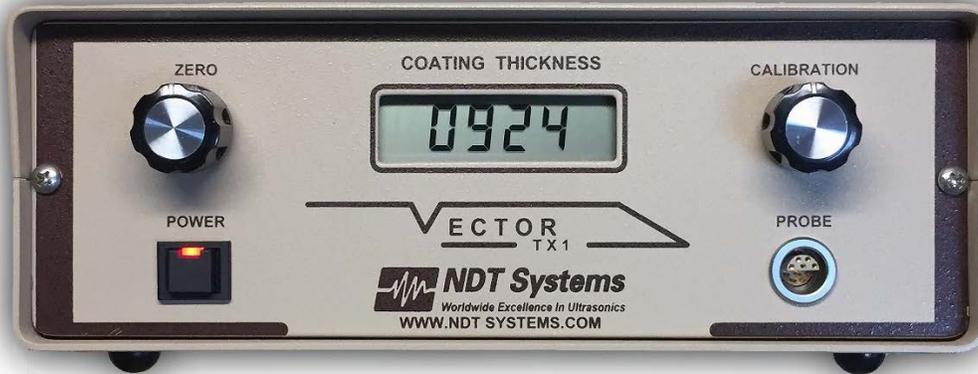


Vector TX1

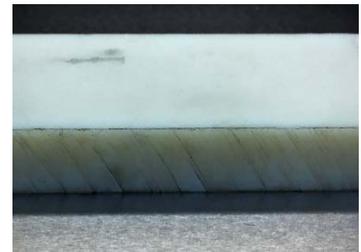
PRECISION COATING THICKNESS GAGE



Glass fiber skin with Nomex core



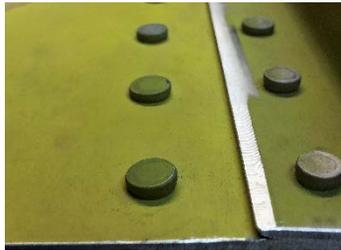
Rubber coating



ABS Plastic



Carbon fiber



Metal coating



Metal anodize

Introduction

The Vector TX1 is a unique precision coating thickness gage. It operates on a very high frequency eddy-current principle, and was primarily designed to specifically gage the thickness of dielectric (non-conductive) materials on non-magnetic metal substrates. Further, it can also be used to gage relatively thick dielectric layers on a magnetic substrate. Lastly, even unattached dielectric materials can be measured simply by temporarily backing them and with a metal substrate.

Key features

- Thickness measurement of dielectric (non-conductive) materials on non-magnetic metal substrates
- Physical and chemical properties of the dielectric material have no effect on the response
- Correction for minor conductivity fluctuations in metal substrate
- Easy to operate with only two controls
- Rechargeable built-in battery power pack
- Built-in charger

Vector TX1

PRECISION COATING THICKNESS GAGE

Applications		Measurement performance										
<ul style="list-style-type: none"> ■ Plastic and rubber coating ■ Radomes and sonar domes ■ Heat shields and insulation ■ Metal chemical films ■ Cement-coated pipes ■ Epoxy coatings ■ Metal anodization ■ Paint and primer 	<ul style="list-style-type: none"> ■ Ceramic coatings ■ Ablative layers ■ Rubber sheet ■ Paperboard ■ Boat hulls ■ Fiberglass ■ ... 	INCH	<table border="1"> <tr> <td>Range</td> <td>0.000 - 0.500 in</td> <td>Resolution</td> <td>± 0.001 in</td> </tr> <tr> <td></td> <td>0.500 - 0.750 in</td> <td></td> <td>± 0.01 in</td> </tr> </table>	Range	0.000 - 0.500 in	Resolution	± 0.001 in		0.500 - 0.750 in		± 0.01 in	
Range	0.000 - 0.500 in	Resolution	± 0.001 in									
	0.500 - 0.750 in		± 0.01 in									
		MM	<table border="1"> <tr> <td>Range</td> <td>0.00 – 9.99 mm</td> <td>Resolution</td> <td>± 0.02 mm</td> </tr> <tr> <td></td> <td>10.0 – 19.0 mm</td> <td></td> <td>± 0.2 mm</td> </tr> </table>	Range	0.00 – 9.99 mm	Resolution	± 0.02 mm		10.0 – 19.0 mm		± 0.2 mm	
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	10.0 – 19.0 mm		± 0.2 mm									



TECHNICAL SPECIFICATIONS

Package	TX1 unit, P3 probe, rechargeable battery, AC charger (110-240V), User manual, COC
Display	High-contrast four-digit LCD
Dimensions	10in x 3.5in x 7in, 7lbs 254mm x 89mm x 178mm, 3.2kg
Power source	Built-in rechargeable battery pack or AC power
Battery lifetime	Approximately 8 hours from full charge
Operating temp	32 F - 122 F (0 °C to 50 °C)
Storage temp	14 F - 140 F (-10 °C to 60 °C)
Connector type	Special connector to work with P3 probe
Type	Eddy-Current