

micro-wave-scan Ref:BG4824



INTRODUCTION

The New micro-wave-scan allows accurate measurement of orange peel and DOI on small and curved surfaces. Building on the success of the Wave-scan DOI in being the appearance standard in the automotive industry, the instrument offers even greater versatility and ease of use with superior data handling capabilities. Precise measurement of previously visually checked parts is now possible including automotive add-on parts such as bumpers, mirror housings, door handles and decorative internal trim. Many other applications are also possible with this unique instrument.

FEATURES

- *Simple to operate - selection of operating parameters controlled by an in-built scroll wheel.*
- *Clear visible LCD menu driven display.*
- *Storage of 2000 readings in selectable memories.*
- *Small and light weight.*
- *Rechargeable battery pack or standard batteries can be used.*
- *Docking station for recharging battery pack and data transfer to PC.*
- *Direct transfer of measurement data from the instrument to Excel® spreadsheet.*



TECHNICAL SPECIFICATION

Measurement Range	DOI, du	0 to 100
	LW, SW	0 to 100
	Wa – Wd	0 to 100
Structure Spectrum	du	<0.1 mm
	Wa	0.1 to 0.3 mm
	Wb	0.3 to 1.0 mm
	Wc	1.0 to 3.0 mm
	Wd	3.0 to 10 mm
Scan length	5 / 10 / 20 cm selectable	
Repeatability	8% or > 0.8 (Standard Deviation)	
Reproducibility	12% or > 1.2 (Standard Deviation)	
Object curvature	Radius > 300 mm	
Min. sample size	25 mm x 40 mm	
Measurement area	4 mm x scan length	
Resolution	375 points / cm	
Memory	2000 readings	
Interface	Serial RS232	
Light Source	Laser diode, LED	
Laser Energy	< 1mW (Laser class 2)	
Dimensions (H x W x L)	120 x 40 x 70 mm (4.7 x 1.6 x 2.7 in)	
Weight	250g (0.6 lbs)	
Operating Temperature	10 - 40°C (50 –104 °F)	
Relative Humidity	Up to 85%, non condensing at 35°C	

COMPLETE KIT INCLUDES:

Instrument, Protective Cap, Reference tile with certificate, Software CD auto-chart , Docking station and interface cable, 2 rechargeable Li-Ion battery packs, Battery holder for AA alkaline or rechargeable batteries, 2 batteries, Operating manual, Carrying case.

MAINTENANCE / CALIBRATION

The micro-wave-scan has been designed for minimum maintenance by the user. It is only necessary to replace the battery when exhausted and ensure that it is kept clean. However we do recommend that the instrument be returned annually for performance checking.

ORDERING INFORMATION

Ref. BG4824 **micro-wave-scan**

Owing to continuous development. we reserve the right to introduce improvements and modify specifications without prior notice.

Sheen INSTRUMENTS

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