

# NDT Supply.com

7952 Nieman Road  
Lenexa, KS 66214-1560 USA



# STARMANS

Defectobook® DIO 1000 PA

Portable Phased Array Ultrasonic Flaw Detector



**Best value**  
**More Features**  
**Low Cost**  
**High Quality**  
**Made in Europe**

## DIO 1000 PA

The Defectobook® DIO 1000 PA Ultrasonic Flaw Detector combines features of conventional ultrasonic with the power of Phased Array.

Using the latest generation of electronic components and microprocessors Starmans has created the thinnest, lightest and lightest portable phased array instrument, which makes your inspection quick and easy. The standard instrument has 16 parallel channels.

The DEFECTOBOOK® DIO 1000 PA complies with all common standards such as EN12668-1, ASME Code case 2541, ASTM E2491, ASTM E2700. The instrument also combines the powerful advantages of digital design with detailed dynamic echo information, using a sampling rate 200 MHz, 12-bit.



Phone: 913-685-0675  
Fax: 913-685-1125

sales@ndtsupply.com  
www.ndtsupply.com

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Defectobook® DIO 1000 PA

Portable Phased Array Ultrasonic Flaw Detector

### Advantages of DIO 1000 PA

- Thinnest phased array instrument
- Weight only 2.9 lbs. (1.3 kg) with battery
- Battery operating time is up to 10 hours
- Lots of capabilities (A-SCAN, B-SCAN, C-SCAN, Weld manager, EMAT, TOFD)

### Environmental test

- Tests for Damp heat / Humidity as per norms EN 600-2-78;02; EN 60068-1
- Vibration tests as per norm EN 60068-2-6 ed 2:08
- Shock tests as per norm EN 60068-2-29:1996+Z1:10



### Specifications

Display	Color TFT sunlight, 1024 (w) x 768 (h)
Display Update Rate	Minimum 60 Hz
Display dimensions	4" x 5.2" (99 x 130 mm)
Focal law quantity	512 (1024)
Synchronization	Outside synchronization, echo start
Operating Temperature	14 °F – 122 °F (-10 °C to 50 °C)
Storage Temperature	-40 °F - 158 °F (-40 °C to 70 °C)
Battery Operating Time	up to 10 hours
Memory	4 – 16 GB (up to 40000 A-Scans)
Dimensions	9" x 7.5 x 1.4 in (224 x 188 x 34 mm)
Weight	1.6 lb. (0.74 kg) including battery
Warranty	2 years standard

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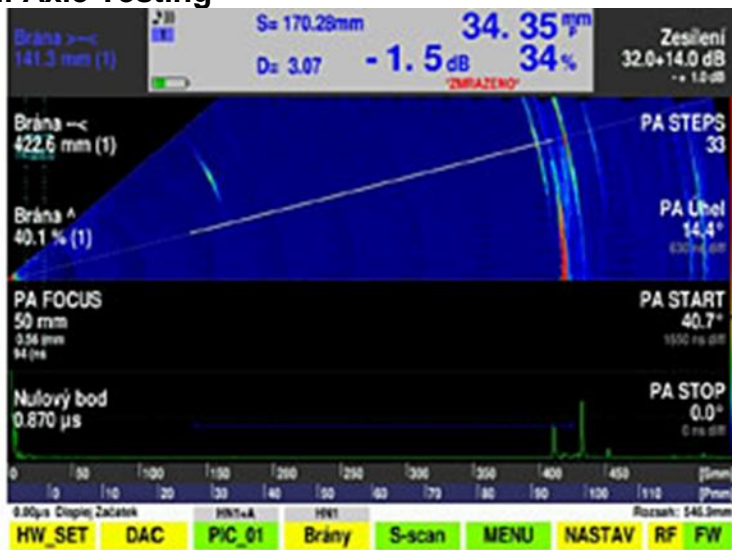
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Thinnest/Lightest PA Instrument	Complete connectivity
	

## Rail Axle Testing



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