



Partner for Test & Measurement  
Equipment Services and Data Solutions

# Ultrasonic Flaw Detectors & Phased Array Systems

## Nondestructive Testing (NDT)

Olympus IMS

### Olympus OmniScan X3

Pine Item #52170

#### DESCRIPTION:

The OmniScan X3 flaw detector has the tools to help you complete your work efficiently. Its range of applications include welds, pipelines, pipes, corrosion-resistant alloys, corrosion mapping, HTHA inspection, detection of stepwise cracking, composite inspection, and flaw imaging.

#### FEATURES:

- Powerful software that's intuitive for new and existing OmniScan users with a modern, simplified menu structure that minimizes button presses.
- Live TFM Envelope Processing. The instrument's unique envelope processing provides clear, high-resolution TFM images of flaws.
- Facilitate Flaw Interpretation and Sizing. Using different TFM modes (wave sets) in the same inspection provides more chances to detect oddly oriented indications.
- Confirm Your Coverage in Advance. The acoustic influence map (AIM) tool provides you with an instant visual model of the sensitivity based on your TFM mode, probe, settings, and simulated reflector.
- Get to Work, Quickly. The onboard scan plan tool helps you visualize your inspection before you begin.
- Improved Fast Calibration. The OmniScan X3 calibration menus track the signals at high speed. You can perform multiple group calibrations in minutes with minimal frustration.
- Harness the Power of Your PC. OmniPC™ software offers a suite of advanced tools, such as a side-by-side view that enables you to compare two files onscreen at the same time to maximize the power of your PC when analyzing data.

#### APPLICATIONS:

- In-service and construction welding
- Pressure vessels
- Process pipes
- Wind tower
- Structural construction
- Corrosion-resistant alloys and clad materials (austenitic, nickel, and other coarse-grained materials)



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## Product Specifications

<b>Storage Devices</b>	Storage Devices: SDHC™ and SDXC™ cards or most standard USB storage devices
<b>Hard Drive Capacity</b>	Hard Drive Capacity: Internal 64 GB SSD, extendable using an external USB drive
<b>GPS</b>	GPS: Yes (unless specified otherwise for some regions)
<b>Wireless Connection</b>	Wireless Connection: Yes (USB dongle sold separately as an accessory)
<b>Lithium-ion Battery</b>	Lithium-ion battery: 5 hours using 2 batteries (hot-swap capable)
<b>Number of Receiving Elements</b>	Number of Receiving Elements: OMNIX3-PATFM32128PR = 128 receiving elements
<b>Ingress Protection Rating</b>	Ingress Protection Rating: IP65 certified (completely protected against dust and water jets from all directions (6.3 mm nozzle))
<b>Operating Temperature</b>	Operating Temperature: 0 °C to 45 °C (32 °F to 113 °F)
<b>Storage Temperature</b>	Storage Temperature: -20 °C to 60 °C (-4 °F to 140 °F) (with battery inside) -20 °C to 70 °C (-4 °F to 158 °F) (with no battery inside)
<b>Weight</b>	5.7 kg (12.6 lb) (with 1 battery)
<b>Dimensions</b>	(W × H × D): 335 mm x 221 mm x 151 mm (13.2 in. x 8.7 in. x 5.9 in.)



**Video:**  
<https://youtu.be/FbS6Vkay4ZY>



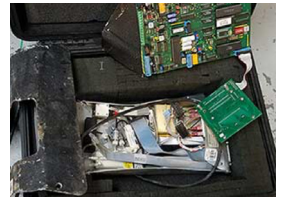
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**Rental Protection Plan**