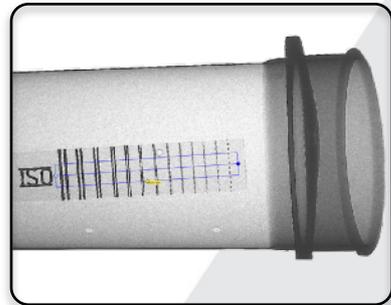


Portable battery-powered DDA for **H**igh **R**esolution NDT inspections

APPLICATIONS

Makes possible DR inspection in hard-to-reach areas :

- ▶ Small bore pipe and spool welds
- ▶ Small diameter Ti and Al pipe welds
- ▶ E-beam welds
- ▶ Civil and military aircraft NDE
- ▶ Restauration & conservations
- ▶ Welding training centers, universities, ...



KEY FEATURES

Easy and quick set-up

Generates X-ray pictures anywhere : use the **Dereo HR** in a shielded cabinet or take it out at any time to use the **Dereo HR** as the most portable tool on site

Ultra light DDA (**Dereo HR** : 1 kg, only !)
Its compactness will definitely grant a high level of robustness of your **Dereo UP** on the field
Battery powered

Image quality

Dynamic DDA
Immediate image after couple of seconds
Very user-friendly Maestro software
Post-processing
DICONDE format for universal file exchange
Easy archiving & reporting

Unique

Optimized distance from the 3 sides, in order to reduce the dead area, to cover even more applications.
With **GemX** X-ray generators, change kV and mA during X-ray shot and adjust the image. « You just can't fail your x-ray shot ! » Automatic averaging
Dereo HR (49 μ m) complies with ISO 17636-2
- Class B for thickness higher than 1.5 mm
- Class A for thickness higher than 0.1 mm

Power

Battery powered thanks to **X-RIS'** GUC

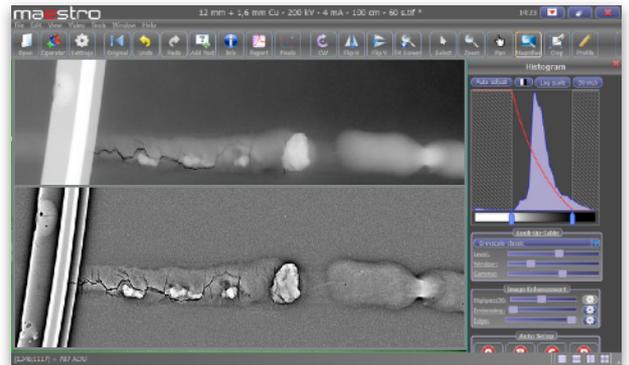
Dereo HR DDA SPECIFICATIONS



MODEL	TECHNOLOGY	ACTIVE AREA (cm)	PIXEL SIZE (µm)	GREY LEVEL (bit)	EXTERNAL DIMENSIONS (mm) without bumpers	WEIGHT (kg) battery included	FRAME RATE (fps)
Dereo HR 1506	CMOS	15 x 06	49	14	80 x 230 x 26.5	1	9

Maestro SOFTWARE

- ▶ Software interfaces developed **by and with field users**
- ▶ **Maestro Touch** for touchpads and **Maestro** for laptops
- ▶ Very **intuitive** software interfaces. Access to all key tools of **Maestro Touch** with your thumbs and with one click mouse on **Maestro**
- ▶ Zoom in / out, screen adjustment, rotation, horizontal and vertical flip, cropping, ...
- ▶ Access to the LUT (look-up-table)
- ▶ Black and white reversal
- ▶ Annotations
- ▶ **Real time** magnifier
- ▶ **Real time** filters (ACUITY, Defect, Contrast, Edge, Noise reduction, ...)
- ▶ Smart measurement tools
- ▶ NDT Tools for normative inspections
- ▶ Bad pixels map
- ▶ **DICONDE**
- ▶ Compliant with all major NDT standards (ISO 17636, ASTM-E 2698, E2736, E2737, E2597, Safran PR5250, Airbus AITM 6-7007 and Boeing BSS-7044)
- ▶ Wall thickness measurement
- ▶ Control of many X-ray generator brands and models
- ▶ Any language available upon request
- ▶ **X-RIS** is open to discuss the development of new software tools



Dereo HR ACCESSORIES

X-RIS makes your job easy and supplies :

- ▶ Carrying case and backpack
- ▶ Touchpads and laptops
- ▶ **GemX** portable battery powered X-ray generators



www.xris.eu