reddot design award
winner 2012

ion 4.3'' Inspection Magnifier FI 800-102

The Ion 4.3 is an award winning inspection magnifier that provides a crystal clear image for the user. Suitable for quick and immediate use, the Ion is fast to start, comfortable to hold and highly intuitive to use as the product has been designed to replicate the look and feel of an optical magnifier.

The Ions display delivers an unrivalled sharp, bright and high contrast image. The Ion 4.3s stunning colour image and wide viewing angle provides comfortable use in awkward to access places and in poor lighting conditions. Its unique patent applied for dimensioning grids and cursors enhance the capability and efficiency of decision making for inspection operators and technicians.

Key Features:

- **Accurate & detailed inspection of a wide variety of objects enabled** through lossless image quality & super sharp magnification up to 14x with high resolution TFT display and adjustable LED illumination.
- **Instant on screen measurement for quick & cost effective quality assurance** provided by integrated on screen XY dimensioning grids & cursor functions.
- **Easy recording & traceability of one hundred images with date stamp** using image capture software for accurate quality control records.
- **Mobile visual inspection tool suitable for awkward to access areas & poor lighting conditions** due to its compact, portable design.
- **Unique Liquid lens technology provides** a wide focus range, fast response time, excellent optical quality & low power consumption

Technical Specifications

Specifications	Ion 4.3 FI 800-102
Screen size and resolution	4.3'' diagonal TFT display, 480x272
Magnification	Far focus: 4x-8x & Near focus: 7x-14x
Image storage mode	100 images in 480 x 272 pixels, 24-bit bitmap format transferable to PC via USB link
Depth of field	3.5cm in overview, 1.5cm close
Dimensioning cursors/grids	Yes
Sensor	3MP CMOS, RGB565 video at 30fps
Battery – Lithium Ion	Up to 5 hours, charge time 4 hours
Connection cable	Micro USB cable
Charger supply	100V – 240Vac 50/60Hz with supplied adaptor
Unit supply voltage	5V dc, micro-USB connector
Weight	225 grams

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