

**DIGITAL USB MICROSCOPE**

LD6184

DATASHEET

**PRODUCT DESCRIPTION**

Small, portable, inexpensive and easy microscope with LCD display that can be connected directly to a PC. Supplied with software for immediate inspection and measuring.

The unique optical design combines the advantages of a USB-microscope digital camera to the precision optics of a microscope illuminated with LED lights. With the 200x magnification (500x by digital), you can determine the fine structure of surfaces or each other very visible object. This compact digital microscope is ideal for analyzing coating failures, imperfections, pre-treatment quality etc. The microscope can be used in direct contact to the surface or at larger distances. The 8 integrated White Light LED's are adjustable in strength guaranteeing a clear view without causing reflections.

Special software for editing and making videos comes with this USB microscope. With this software, you can determine the length, width, height and angle to the radius of the objects.

The USB microscope will also be supplied with a magnetic microscope holder, which gives the microscope a steady and straight position. Also enables the microscope to be used in a vertical position on Fe material due to its 3 very strong magnets.

**BUSINESS**

Protective Coatings, Corrosion Control, Coating Laboratories, Paint Production, Decorative Coatings, Building Maintenance

**FEATURES**

- Easy-to-use
- 3 inch TFT panel
- 20x-200x-500x magnification
- Photo & video
- Timer
- Supports MicroSD card up to 32GB
- Free driver download for windows XP SP2/Vista/Win7/Win8 and MAC OS 10.6~10.8
- Clear view without reflections
- Lithium battery (rechargeable & changeable)
- Advanced, yet easy-to-use software to edit and measure

**SCOPE OF SUPPLY**

- Portable digital microscope
- Lithium battery
- AC adaptor
- CD

- USB cable
- TV cable
- Quick start guide
- Cleaning fabric
- Carrying bag
- Stand
- Wrist strap

## **ORDERING INFORMATION**

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LD6184 – TQC Digital USB Microscope

## **SPECIFICATIONS**

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Image sensor	: 5M high quality image sensor
Magnification	: 20x-200x-500x
Resolutions	: 12M, 8M, 5M, 3M, 1.3M, VGA
Lens	: High quality microscopic lens
Display	: 3 inch TFT panel, 4:3 ratio
Light sources	: 8 LED's with adjustable brightness
Power sources	: Li-ion 3.7V / 800mAh battery
Working time	: 4 hours (charging time 5 hours)
Frame rate	: 30fps
Adaptor	: Input: 100-240V, 50/60Hz – Output: 5V, 1A
OSD languages	: English/German/French/Spanish/Italian/Portuguese/Japanese/Chinese
Software languages:	English/German/French/Spanish
Measurement	: by software
Size	: 130x130x29mm

## **USE**

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See detailed manual

## **SPECIAL CARE**

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- Though robust in design, this instrument is precision-machined. Never drop it or knock it over
- Always clean the instrument after use.
- Clean the instrument using a soft dry cloth. Never clean the instrument by any mechanical means such as a wire brush or abrasive paper. This may cause, just like the use of aggressive cleaning agents, permanent damage.
- Do not use compressed air to clean the instrument.
- Always keep the instrument in its case when not in use.

## **SAFETY PRECAUTIONS**

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- Not suitable to be put in the sun or in the high light
- Avoid using it in over-high or over-low temperature environment
- Avoid humidity

- Always make sure the instrument's power is turned off while adjusting any electric component

## **DISCLAIMER**

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The right of technical modifications is reserved.

The information given in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. Whilst we endeavour to ensure that all advice we give about the product (whether in this sheet or otherwise) is correct we have no control over either the quality or condition of the product or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.