



MT943

LUX METER

The MT943 is a professional light meter providing quick light readings in Foot Candles or Lux up to 400,000 Lux. The meter has special relative efficiency and has a correction factor for non-standard light sources, thus eliminating the need for manual calculations. The Peak Hold function captures the readings within 10 micro seconds and displays either the minimum peak or maximum peak. The MT943 has data logging capabilities and can link up to a computer whereby the information is downloaded via the USB interface, software and USB cable is included. Other features include the Min and Max record, a large LCD display with a quick bargraph and backlight.

Features

- Professional light meter providing quick light readings in Lux
- LCD display with 4 segment bargraph
- Measures to 400 000 Lux
- 4 Measuring ranges
- Peak Hold
- Relative mode
- Min / Max
- Data Hold
- Short rise and fall time
- Data logging up to 99 Readings
- USB Interface



Function	Range	Accuracy
Function	400.0 to 400 000	±(3% ± 0.5% f.s)
Sample Rate	1.3 times/sec	
Spectral Response	CIE Photopic (human eye response Curve)	
Photo Detector	One Silicon photo diode and spectral response filter	
Cosine Response Accuracy		f2' ≤ %
Size	Meter 170 x 80 x 40mm	Photo Detector 115 x 60 x 20mm
Weight	390g	



MT942

LED LUX METER

The MT942 measures light from visible luminaries equipped with white light LED fluorescent, metal halide, high-pressure sodium and incandescent sources. The MT942 is ideal for using in warehouses, factories, office buildings, restaurants, schools, hospitals, art galleries, photographic studios and stadiums.

Features

- Professional light meter providing quick light readings in Lux
- 4000 Count LCD display
- Measures to 400 000 Lux
- 4 Measuring ranges
- Peak Hold
- Relative mode
- Min / Max
- Data Hold
- Short rise and fall time
- Data logging up to 99 Readings
- USB Interface

Function	Range
Range	40 to 400 000 Lux
Sample Rate	2.5 times/sec
Spectral Response	CIE luminous spectral efficiency
Photo detector	Silicon photo diode with filter
Cosine response accuracy	30° ±2%, 60° ±6%, 80° ±25%
Size	162 x 63 x 28mm
Weight	250g



MT940

LIGHT METER

The MT940 is a handheld light meter that provides accurate display of light levels in terms of Foot Candle (FC) or LUX over a wide range. This versatile meter offers Peak Hold and Data Hold functions and can measure light up to 20,000 Lux or FC with an accuracy of 0.01Lux/FC. The light sensor is connected through an extension cable to the meter, providing fast measurements in multiple environments. The readings are displayed on a large and clear LCD display with range annunciations to assist the user. This is an essential tool for Designers or Quality Assurance Managers to troubleshoot or check lighting levels in a variety of situations from office to factory areas where health and safety is a requirement.

Features

- Check light levels in a wide variety of situations
- Accurate test with fast response and auto zero adjustment
- 4 measuring ranges for Lux and Foot Candle
- Lux range from 200 Lux to 200,000 Lux
- Foot Candle range from 20fc to 20,000fc
- Measurement rate 2 times per second
- Peak Hold and Data Hold functions
- Symbol and unit display - easy to read

- Overrange indication
- Auto Power Off

Function	Range	Accuracy
Lux Range	200.0 to 200,000 Lux	±(5.0% +10)
Foot Candle Range	20.00 to 20,000 fc	±(5.0% +10)
Spectral Response	CIE Photopic (human eye response curve)	
Photo Detector	Photo diode and filter	
Sample Rate	2 times/sec	
Size	Meter 130 x 95 x 30mm	Sensor 100 x 60 x 27mm
Weight	300g	

VIDEO BORESCOPE

The MT175 Video Borescope system features an integrated LCD colour monitor for real-time viewing and a variety of imaging and measurement functions to meet your inspection needs with a flexible gooseneck camera probe that is waterproof and retains its configured shape for inspecting hard-to-reach areas. This Borescope offers the latest video borescope technology that is diverse enough to meet your application needs. Ideal to look into tight spots, in dark and moist areas, inspect machine defects internally using the colour LCD monitor. The MT175 can be used for automotive inspection, HVAC inspection, cable routing, boat and aircraft inspection.

Features

- 3.2" Colour TFT LCD / Resolution: 320 x 240
- On-site photo/video, time and date display
- Video/Images transferred to PC via SD card / USB cable
- 1m Flexible gooseneck for hard to reach places
- Camera/video function 3GP / Compatible with TV (TV-OUT)
- Allows viewer to view image on LCD monitor
- Viewing distance 5 to 15cm / Viewing angle 68°
- Rechargeable battery with USB included
- 32MB SD Card



Function	Range
Display screen	3.2 Inch TFT
Display pixel	240(RGB) x 320
Photosensitive Devices	¼ inch CMOS
Sensor pixel	640 x 480
Maximum Number of frames(FPS)	30FPS/S
Colour Digit(bit)	24 bit
Focusing distance	Fixed at 5 to 15cm
Gooseneck Length	1m (2/3m selectable)
Camera diameter	17mm
TV-OUT	PAL/NTSC system
Charging system	In camera (AC adapter)
Photo resolution	640 x 480
Video format	MPEG4/3GP/AVI/ASF
Photo format	JPEG
Camera Video format	3GP
Save Image format	JPG (640 x 480)
SD Card	Max 32GB
Flash Memory	Max 8GB
Interfaces	USB data cable and SD card
Size	240 x 100 x 160mm
Weight	584g



MT175