

/// **MotionMeter™**

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## **High-Speed, Hand Held Digital Camera**

MotionMeter is the first handheld slow-motion digital video camera to capture what other cameras can't – high-speed processes. Uniquely designed for manufacturing, maintenance and service professionals, MotionMeter makes it easy to record and measure the accuracy of production and packaging machinery. With video documentation, there's no need for time-consuming trial and error methods. This means you get optimized manufacturing operations, faster time-to-market and improved product quality – all in the blink of an eye.

What's more, MotionMeter's low price and sturdy design make it perfect for any industrial environment. Finally, the power of slow-motion video is right in the palm of your hand.



### **S N A P S H O T**

#### **Handheld**

The MotionMeter measures only 8.13" long, 5.13" tall and 2.7" wide. So it goes where you go.

#### **Efficient**

MotionMeter is ready when you are. Its lightweight and portable form factor eliminates time-consuming set up and costly equipment. Now you can make assessments and improvements faster and easier than ever before.

#### **Affordable**

With a price tag thousands of dollars less than other models, the MotionMeter fits as easily into your budget as it does into your hand.

#### **Simple**

Just point, click and shoot. With large control buttons and a user-friendly interface, anyone can master the MotionMeter.

/// **MotionMeter™**...

**for imaging excellence  
when quality counts**



**REDLAKE**

1.800.462.4307

# MotionMeter™

## PERFORMANCE SPECIFICATIONS

<b>Sensitivity</b>	5 lux at 250 frames/sec; 0.5 lux at 250 frames/sec with low light camera option
<b>Recording Rates</b>	50 (PAL), 60 (NTSC), 125, 250, 500 and 1,000 frames per second (depending on model)
<b>Exposure Rates</b>	1x, 2x, 3x, 4x, 5x, 10x, and 20x the recording rate
<b>Recording Mode</b>	
<b>Manual</b>	Begins recording when the record button is pushed. Continues to record and store images in memory until the stop button is pushed.
<b>Trigger</b>	Begins recording when the record button is pushed. Continues to record and store images in memory until an external trigger signal is received. The adjustable trigger (0% - 100%) determines how many frames are stored before and after the trigger signal is received.
<b>Frame Storage</b>	
<b>Standard</b>	Up to 4,098 frames, depending on model
<b>Playback Rates</b>	Single step mode, plus auto-playback at 1, 2, 3, 4, 5, 10, 15, 25, 30, 50, 60, 125, 250, 500 or 1,000 frames per second, forward and reverse.
<b>Control Buttons</b>	Menu, Function Select, Increment, Decrement, Record, Stop, Play Forward, Play Reverse
<b>I/O Connectors</b>	Composite Video Out: NTSC or PAL, Event Marker In / Phase Lock In, Strobe Out / Phase Lock Out, Trigger In
<b>Digital Image Capture</b>	Optional USB based video-to-digital image transfer
<b>Trigger Input</b>	Contact Closure, standard TTL signal or up to 30VDC, BNC connector
<b>Synchronization</b>	Multiple MotionMeter units can be synchronized through phase-lock
<b>Lens Mount</b>	Standard C-mount
<b>Power Supply</b>	Input 110V - 240VAC, Output 12VDC, 25 Watts maximum
<b>Camera Size</b>	8.13 x 5.13 x 2.7 inches (200 x 130 x 45mm) Weight: 1.5 lbs (.7 kg)

### Recording Rates and Frame Storage

Recording Rate	Enhanced Memory
50 (PAL)	41 sec / 2,048 frames
60 (NTSC)	34 sec / 2,048 frames
125	16.4 sec / 2,048 frames
250	8.5 sec / 2,048 frames
500	4 sec / 2,048 frames
1,000	4 sec / 4,096 frames



**REDLAKE**

Redlake MASD, Inc.

tel: 800.462.4307

tel: 858.481.8182

fax: 858.792.3179

email: sales@redlake.com

www.redlake.com



Note: Specifications are typical and subject to change. M109-02