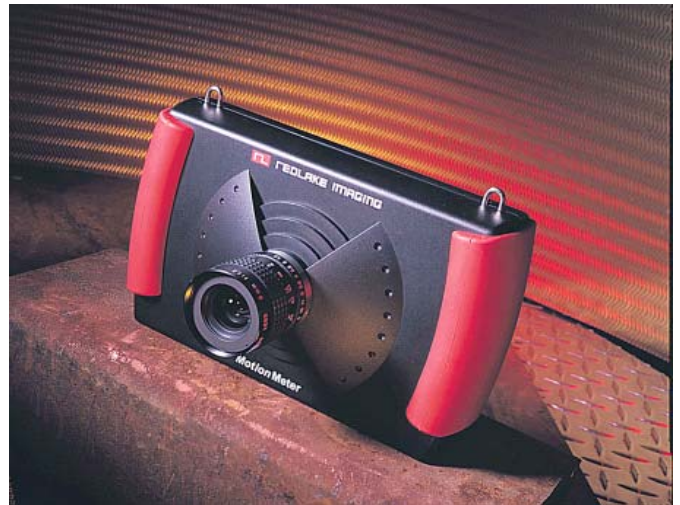# //MotionMeter™

Ultra Mobile High-Speed Video Camera with integrated LCD Display.

Designed for manufacturing, maintenance and service professionals

*Motion*Meter® 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, *Motion*Meter® 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. Which means you get optimised manufacturing operations, faster time-to-market and improved product quality– all in the blink of an eye.

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

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SNAPSHOT

- **Handheld**
  The *Motion*Meter® measures only 20,5 cm long, 13 cm tall and 6,5 cm wide.
  So it goes where you go.
- **Efficient**
  *Motion*Meter® 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 *Motion*Meter® 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 *Motion*Meter®

APPLICATIONS

- **Manufacturing**

- **Maintenance**

- **Design and Test**

PERFORMANCE SPECIFICATIONS

Sensor Array	292 X 220 Pixel, depending of the selected frame rate.
Recording rates	50 (PAL), 60 (NTSC), 125, 250, 500 and 1.000 frames per second depending on model.
Exposure Rates	Electronic shutter operates at a factor of 1x to 20x of set recording rates.

Recording Mode

Manual:	Begins recording when the **record** button is pushed. Continues to record and store images in memory until the **stop** button is pushed.
Trigger:	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 position (0-100%) determines how many frames are stored before and after the trigger signal is received.

Frame Storage:

Standard	Up to 2.048 frames, depending on model.
Enhanced	Up to 4.098 frames, depending on model.
Playback Rates	Single step mode, plus auto playback at 1, 2, 3, 4, 5, 10, 15, 25, 30, 50, 60,125, 250,500 or 1000 frames per second, forward and reverse.
Control Buttons	Menu, Function Select, Increment, Decrement, Record, Stop, Play Forward, Play Reverse.
I/O Connectors	Composite Video Out: NTSC or PAL, Event Marker In / Phase Lock In, Strobe Out / Phase Lock Out, Trigger In.
Trigger Input	Contact closure, standard TTL signal or up to 30 Volts DC. BNC connector.
Synchronisation	Multiple *Motion*Meter® units can be synchronised through phase-lock.
Digital Output	Creation of AVI/MPEG files trough optional frame grabber
Lens Mount	Standard C-mount.
Camera Size	200 x 130 x 45 mm. 500 g.
Power Supply	12 V DC, 25 Watts trough power supply (110 V - 220 VAC) or optional Battery (Belt) .

Recording Rates	Time / # frames
50 fps (PAL)	41.0 s / 2.048
60 fps (NTSC)	34.0 s / 2.048
125 fps	16.4 s / 2.048
250 fps	8.5 s / 2.048
500 fps	4.0 s / 2.048
1000 fps	4.0 s / 4.096

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Note: Specifications are typical and subject to change   EUR_MM Rev. B