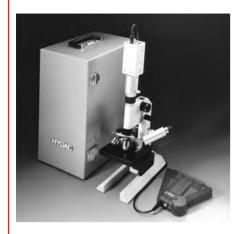
# YDAC INTERNATIONAL



# **Measuring Microscope**

MM-S5-M MM-S5-M-U

### **Description**

These measuring microscopes are designed mainly to measure particles on filter membranes of oil samples.

The microscopes are stable and robust in design.

In accordance with the requirements of oil analysis, the optical equipment has maximum luminous intensity and consistent definition over the whole image range.

The body has the facility for coarse and fine adjustment, and there is a slide table with X and Y movements as standard which enables easy adjustment of the focus and subject position.

The integrated LED lighting with power supply provides sufficient image brightness even at high magnification.

The microscope case protects the microscope from knocks and dust.

The microscope MM-S5-M-U can be used with or without the CCD camera.

With the aid of the software supplied, it is possible to process the image on a PC or laptop. The camera images can be embedded in many Windows® applications as files.

The measuring scale in the camera lens has a scale division of 1 mm in 100 parts.

### **Applications**

Laboratory

#### Advantages

 Simple analysis of membranes (also on site)

### **Technical specifications**

	MM-S5-M	MM-S5-M-U
DIN Huygens eyepiece	10 x M	
Achromatic lenses	4x, 10x, 20x	
Magnifications	40x, 100x, and 200x	
Supply voltage	230 V 50 Hz	
Body length	160 mm	
Total height	330 mm	
Image digitization		CCD camera
Video system		PAL colour system
Resolution		Horizontal 460 lines / vertical 400 lines
PC interface		USB port
System requirements		min. Pentium 233 MHz, Windows 98 / ME / 2000 / XP, USB port, CD-ROM drive, 32 MB RAM

## Model code MM S5 M U Basic model MM = Measuring microscope Lens system S5 = Standard eyepiece Supply voltage = 230 V 50 Hz = 110 V 60 Hz Image digitization -No details = Standard illumination = CCD camera with USB port to laptop or PC

### **Note**

The information in this brochure relates to the operating conditions and applications described.

For applications and operating conditions not described, please contact the relevant technical department.

Subject to technical modifications.

HYDAD FILTER SYSTEMS GMBH

Industriegebiet D-66280 Sulzbach / Saar Tel.:+49 (0) 6897/509-01 Fax:+49 (0) 6897/509-846 Internet: www.hydac.com

E-Mail: filtersystems@hydac.com

# TOAC INTERNATIONAL



# **Measuring Microscope** MM-KKF-M-C-U

### **Description**

This measuring microscope is designed mainly to measure particles on filter membranes of oil samples. The microscope is stable and robust in design and is convenient to use. The body is adjusted by an easily operated tangent screw for coarse adjustment and a fine adjustment tangent screw, thus ensuring optimum focus at maximum magnification. The integrated lighting with power supply provides sufficient image brightness even at a magnification of 200x. The stand is fitted with a 3-part knurled revolving unit and a slide table with X and Y movements.

The optical equipment consists of the achromatic lenses: 4:1, 10:1, 20:1. These lenses are used in combination with a micrometer eyepiece with 10x magnification. The measuring scale in the eyepiece has a scale division of 1 mm in 100 parts. By using the micrometer evepiece and the enclosed measuring card, it is possible to determine the size of the subject directly with all three lenses. The microscope case protects the microscope from knocks and dust.

### **Applications**

Laboratories

#### **Advantages**

 Simple analysis of membranes (also on site)

### **Technical specifications**

Huygens eyepiece	10 x M
Achromatic lenses	4x, 10x, 20x
Magnifications	40x, 100x, and 200x
Body length	160 mm
Total height	330 mm
Paint colour	Light grey
PC interface	USB port
System requirements	min. Pentium 233 MHz, Windows 98 / ME / 2000 / XP, USB port, CD-ROM drive, 32 MB RAM

## Model code MM KKE M C U Basic model MM = Measuring microscope Lens system KKE = Triocular Supply voltage = 240 V 50 Hz (Australia) = 230 V 50 Hz (Europe) = 110 V 60 Hz (Japan) Accessories = Cold light illumination Image digitization -= CCD camera with USB port

### **Note**

The information in this brochure relates to the operating conditions and applications described.

For applications and operating conditions not described, please contact the relevant technical department.

Subject to technical modifications.

HYDAD FILTER SYSTEMS GMBH

Industriegebiet D-66280 Sulzbach / Saar Tel.:+49 (0) 6897/509-01 Fax:+49 (0) 6897/509-846 Internet: www.hydac.com

E-Mail: filtersystems@hydac.com