

Model no. H3022

MICROSCOPE AND DIGITAL CAMERA



According to

ISO 18533

ASTM D 5596

According to the method for the assessment of the degree of pigment and carbon black dispersion in polyolefin pipes, fittings and compounds, a microscope is required to examine the particles and agglomerates in the test sample. The digital camera is used to digitize the microscope images for analysis, documentation and archiving. The digital camera is supplied with image processing software and a PC.

SIMPLE AND SAFE OPERATION

> Detailed, illustrated documentation ensures simple operation

RELIABLE TEST RESULTS

> All components are specially selected and optimised for determining pigment and carbon black dispersion

LASTING EFFICIENCY

> High-quality unit components guarantee a long service life

MODERNE STATE-OF-THE-ART TECHNOLOGY

> Evaluation of measured quantities of particles and agglomerates using software

THE SOFTWARE OFFERS THE FOLLOWING OPTIONS

- > PartAnalysis of particles and pores
- > Image acquisition and generation of offline image series
- > Composition of panoramic images from any number of individual images
- > Quantitative analysis of object populations
- > Export of measurements to Microsoft Excel

H3022-0007
 with
H3022-0014

VERSION MICROSCOPE AND DIGITAL CAMERA

MICROSCOPE

Phototube	Trinocular 30°/23 (50:50)
Stand	With manual stage focusing
Coarse drive	2 mm/revolution
Fine drive	0.2 mm/revolution 2 µm scale interval
Lifting range	Max. 25 mm
Height stop	Mechanically adjustable
Eyepiece	10x plano eyepieces with planachromatic objectives: 4 x / NA 0.10 10 x / NA 0.25 40 x / NA 0.65 100 x / NA 1.25 oil
Encoding	Readout by PC
Lighting	30 W Köhler lighting
Achromatic-aplanatic universal condenser	With swivel-type front lens
Changing the objective	Manually via nosepiece

DIGITAL CAMERA INCL. SOFTWARE

Max. resolution	Pixel	1280 x 1024
Image refresh rate	1/s	max. 25
Exposure time		9 µs - 17209 ms
Digital interface		USB 2.0 (incl. USB cable)
PC		✓

GENERAL

CE-Conformity		✓
Permissible ambient temperature	°C	+5 to +30
Permissible relative humidity	%	Max. 70%, non-condensing
Width x Depth x Height	mm	300 x 721 x 505
Weight	kg	approx. 20
Voltage data		100-127 V, 200-240, 50/60 Hz * other voltages

✓ included

+ available/optional

○ eligible

- not available

* available upon request

ACCESSORIES MICROSCOPE AND DIGITAL CAMERA

Product

Description

Model no.



Microtome

H3009