



Microscope and digital camera

Description

A microscope is required to examine the agglomerates in polyelefins for determining the degree of dispersion. The digital camera is used for images acquisition, documentation and archiving. It is supplied with image processing software and a PC for automatic determining the dispersion grade.

Standards

ISO 18553

ASTM D 5596

Specifications

Microscope

Phototube	Binocular 30°/23 (50:50)
Stand	With manual stage focusing
Coarse drive	2 mm/revolution
Fine drive	0.2 mm/revolution
Lifting range	Max. 25 mm
Height stop	Mechanically adjustable
Object lenses	Multiple nosepiece 5 x 0.12 10 x 0.25 20 x 0.45
Eye pieces	10X, 16X
Light source	Halogen lamp

Digital camera incl. software

Max. resolution	1280 x 1024 pixels
Image refresh rate	Max. 25 images/s
Exposure time	9 µs – 17209 ms
Digital interface	USB 2.0 (incl. USB cable)

PC	●	
Permissible ambient temperature	+5 to +30	
Permissible relative humidity	Max. 70%, non-condensing	
Width	mm	300
Depth	mm	721
Height	mm	505
Weight	kg	Approx. 20
Voltage data	100-127 V, 200-240 V, 50/60 Hz	

● included ○ available/optional

