Mitutoyo

M Plan APO NIR 50x Lens

Reference: 378-825-17

Images

Description

Features
- Corrected to infinity
- Suitable for bright field inspection and laser applications
- Long working distance
- Wavelength correction from visible to near infrared (1800 nm)

This model is also available in a high resolution version (M Plan Apo NIR HR)

Features

Model:	M Plan Apo NIR 50X
Magnification:	50x
Working distance:	In the air: 17 mm
Corrected wavelength:	480-1800 nm
Correction:	Infinity
N / A:	0.42
f:	4 mm
PD:	95 mm
A:	0.7 µm
df:	1.6 µm

Field of vision 1:	ø0.48 mm
Field of vision 2:	0.1 x 0.13 mm
Product table abbreviations :	NA: Numerical Aperture W.D.: Working Distance P.D.: Parfocal Distance f: Focal Length R: Resolution D.F.: Focal Depth Field of View 1: with ø24 mm eyepiece Field of View 2: with 1/2" (12.7 mm) CCD camera
M Plan Apo NIR :	These lenses are designed to focus the image of a part within the depth of focus, even when the wavelength used varies in the range from the visible (l = 480 nm) to the near infrared (l = 1800 nm). This makes the M Plan NIR series particularly suitable for laser repair. However, when the wavelength exceeds 1100 nm, a variance in the dispersion and refractive indices of the glass can cause the focus to shift slightly from the visible range.
Functions:	**M Plan Apo NIR Near Infrared Corrected Objectives for bright field observation** Compatible with VMU/FS-70 type microscopes
Dark field/bright field observation:	Bright field
Glass compensation:	No
High resolution:	No
Laser applications:	No
Observation/Interferometer:	Observation
Spectral range:	NIR
Weight:	350 g

Dimensions