

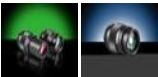
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# 100X Mitutoyo Telecentric Objective

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3X (#56-985) & 5X (#56-986)



Stock **#87-230** [CONTACT US](#)

-

1

+

A\$9,344<sup>.00</sup>

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| General              |               |
|----------------------|---------------|
| 375-053              | Model Number: |
| Microscope Objective | Type:         |
| Finite Conjugate     | Style:        |
|                      | Manufacturer: |

|                                                                                           |                                                 |
|-------------------------------------------------------------------------------------------|-------------------------------------------------|
| Mitutoyo                                                                                  |                                                 |
| <div>Note:<br/>Image is formed 280mm from specimen (170mm from the mounting flange)</div> |                                                 |
| Physical & Mechanical Properties                                                          |                                                 |
| 104.00                                                                                    | Length (mm):                                    |
| 104.00                                                                                    | Length excluding Threads (mm):                  |
| 39                                                                                        | Maximum Diameter (mm):                          |
| 380                                                                                       | Weight (g):                                     |
| Optical Properties                                                                        |                                                 |
| 0.06mm                                                                                    | Horizontal Field of View, 1/2" Sensor:          |
| 0.09mm                                                                                    | Horizontal Field of View, 2/3" Sensor:          |
| 1.79                                                                                      | Focal Length FL (mm):                           |
| NA0.7                                                                                     | Aperture (f/#):                                 |
| 100X                                                                                      | Magnification:                                  |
| 0.70                                                                                      | Numerical Aperture NA:                          |
| 0.4                                                                                       | Resolving Power (μm):                           |
| 0.60                                                                                      | Depth of Field (μm):                            |
| 0.3                                                                                       | Field of View, 24 Diameter Field Eyepiece (mm): |
| 0.23                                                                                      | Field of View, 18 Diameter Field Eyepiece (mm): |
| 6                                                                                         | Working Distance (mm):                          |
| 435 - 655                                                                                 | Wavelength Range (nm):                          |
| 110                                                                                       | Parfocal Length (mm):                           |
| N/A                                                                                       | Immersion Liquid:                               |
| 11.00                                                                                     | Maximum Image Circle (mm):                      |
| Sensor                                                                                    |                                                 |
| 2/3"                                                                                      | Maximum Sensor Format:                          |
| Threading & Mounting                                                                      |                                                 |
| M26 x 36 TPI                                                                              | Mount:                                          |
| M26 x 36 TPI                                                                              | Mounting Threads:                               |
| Environmental & Durability Factors                                                        |                                                 |
| +5 to +40                                                                                 | Operating Temperature (°C):                     |
| 20 - 80%                                                                                  | Operating Humidity:                             |
| Regulatory Compliance                                                                     |                                                 |
| Exempt                                                                                    | RoHS 2015:                                      |
| View                                                                                      | Certificate of Conformance:                     |
| Contains SVHC(s)                                                                          | REACH 241:                                      |

## Product Details

- Long Working Distances Allow for Integration into Machine Vision Measurement Systems
- Compact Design and Long Parfocal Length Simplifies Mounting
- **Tube** Available for Use with C-Mount Cameras
- Aluminum Alloy Housing

Mtutoyo Telecentric Objectives are ideal for high-resolution, high power machine vision measurement and optical gauging systems. With powers up to 100X, these objectives can be used for semiconductor production and inspection, and in metrology, quality assurance, and R&D laboratories. These objectives are constructed of an aluminum alloy housing. Mtutoyo Telecentric Objectives have a compact design and a long parfocal length that simplifies mounting. They are easily integrated into C-Mount imaging systems with our Mtutoyo C-Mount Camera Tube [#56-992](#).

Edmund Optics is the main source for Mitutoyo Objectives. Place your orders now for these in demand quality products.

## Technical Information

| Magnification | A   | B    | C    | D    | E    | Stock No.               |
|---------------|-----|------|------|------|------|-------------------------|
| 1X            | 49  | 10   | 16.5 | 31.5 | 31.5 | <a href="#">#56-984</a> |
| 3X            | 33  | 10   | 18   | 25   | 28   | <a href="#">#56-985</a> |
| 5X            | 49  | 10   | 17   | 25   | 28   | <a href="#">#56-986</a> |
| 10X           | 59  | 10   | 14.5 | 30   | 30   | <a href="#">#56-987</a> |
| 20X           | 90  | 14.5 | 23   | 33   | 39   | <a href="#">#87-228</a> |
| 50X           | 97  | 14.7 | 23   | 33   | 39   | <a href="#">#87-229</a> |
| 100X          | 104 | 14.1 | 23   | 33   | 39   | <a href="#">#87-230</a> |

**Mitutoyo Telecentric Objectives**

Units: mm