

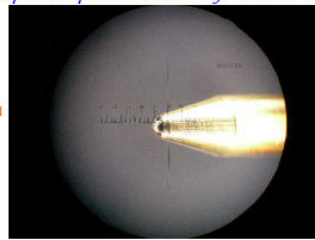
Micrometer Scope TS-8LN / LEN



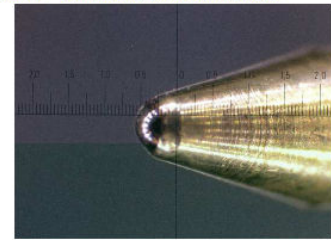
TS-8LEN with Camera

Tip of ballpoint pen taken by TS-8LEN/8LN • NikonCoolPix4300

TS-8LEN
-20

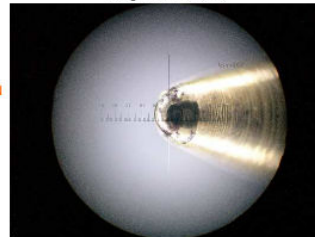


Magnification X1

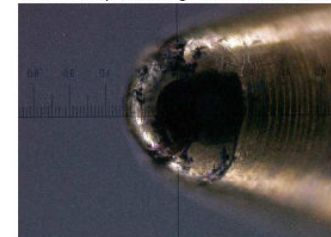


Camera Optical MagnificationX3 (x 60)

TS-8LEN
-50

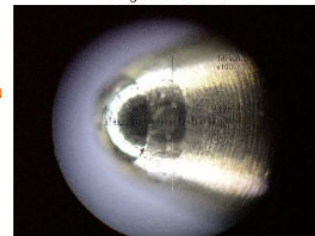


Magnification X1

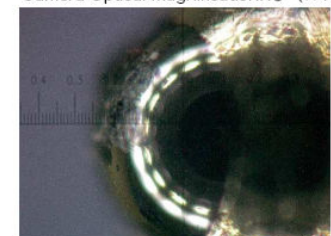


Camera Optical MagnificationX3 (x150)

TS-8LEN
-100



Magnification X1



Camera Optical MagnificationX3 (x300)



TS-8L-DG1
Adapter for Nikon

Use Adapter for
C-mount made by
Nikon
UR-E4
UR-E11 etc.



TS-8L-DG3
Adapter for Sony
C-mount made by
Sony
VAD-WA



TS-8L-LCC
Battery holder with
Light control



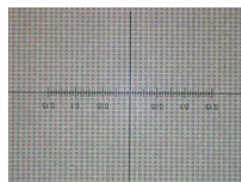
TS-8L-DGA

Universal type Camera Adapter
Recommend to use small size lens dia. of digital camera
When use lens projection type of digital camera,
recommend to use private(maker)s adapter.

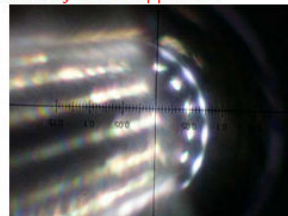
※Some type of camera may not be applicable



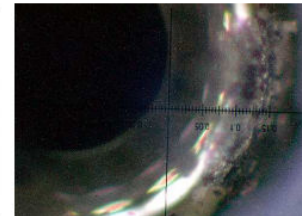
TS-8LN-200



CCD elementX600



MagnificationX1



Camera Optical MagnificationX3 (x600)

- TS-8LEN Erect Able to see image erectly, due to equipped prism
- TS-8LN Inverted Able to see image upside down

TS-8LEN・LN・Specification

Parts No.	Magnification	Min. Grad.	Field of view	Meas.range	Working distance
TS-8LEN-20 (Erect)	20X	0.05mm	9.0mm	5.0mm	28.0mm
TS-8LEN-50 (Erect)	50X	0.02mm	3.6mm	2.0mm	16.0mm
TS-8LEN-100 (Erect)	100X	0.01mm	2.1mm	1.0mm	16.0mm
TS-8LEN-200 (Erect)	200X	0.005mm	1.05mm	0.3mm	6.3m

※ TS-8LEN-200 (Erect) is special order item.

SUGITO

SINCE 1906

MICROMETER SCOPE WITH LIGHT



TS-7L Series (Inverted Type) TS-7LE Series (Erected Type)

Power Supply: 2 pcs Batteries

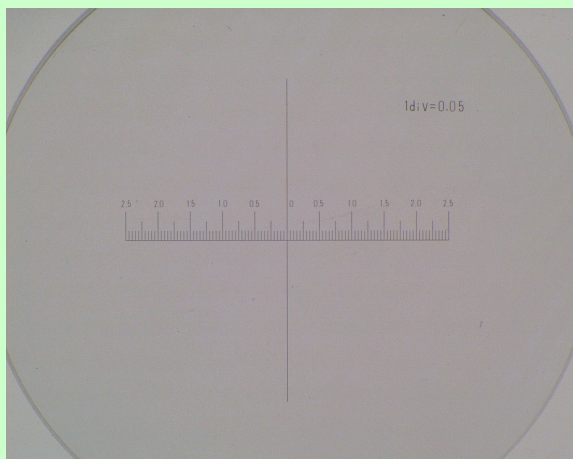
MICROMETER SCOPE WITH LED LIGHT



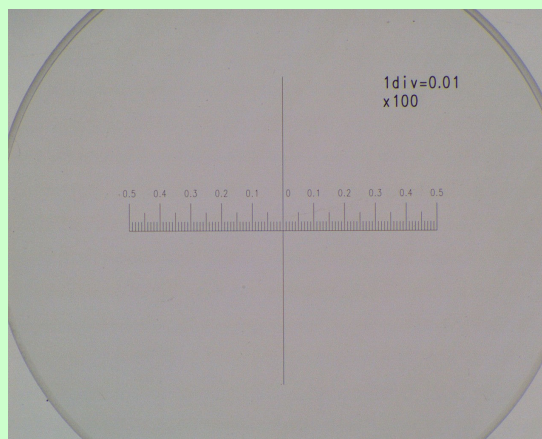
TS-8LN Series (Inverted Type) TS-8LEN Series (Erected)

✳ Power Supply: Option

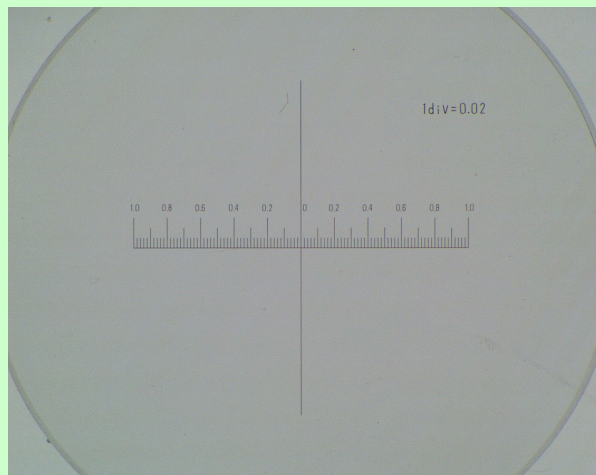
Scales of Each Magnifications



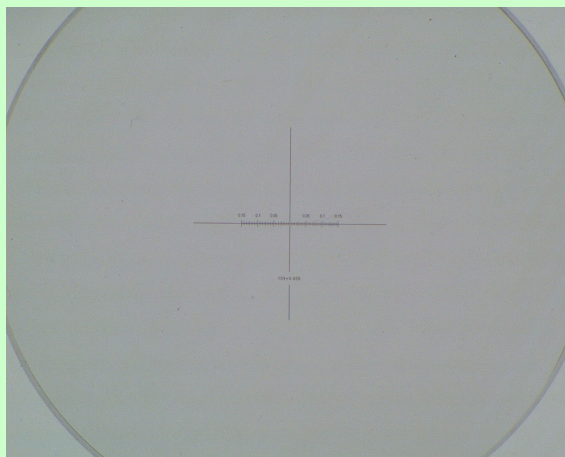
0.05mm Scale for 20x



0.01mm Scale for 100x



0.02mm Scale for 50x



0.005mm Scale for 200x

MICROMETER SCOPE WITH LIGHT**MICROMETER SCOPE WITH LED LIGHT**

Part Numbers	Mag.	F.O.View	Meas. Area	W. D.	Part Numbers	Mag.	F.O.View	Meas. Area	W. D.
TS-8LEN-20	20×	9.0mm	5.0mm	28.0mm	TS-7LE-20	20×	9.0mm	5.0mm	28.0mm
TS-8LEN-50	50×	3.6mm	2.0mm	16.0mm	TS-7LE-50	50×	3.6mm	2.0mm	16.0mm
TS-8LEN-100	100×	2.1mm	1.0mm	16.0mm	TS-7LE-100	100×	2.1mm	1.0mm	16.0mm
TS-8LEN-200※	200×	1.05mm	0.3mm	6.3mm	TS-7LE-200※	200×	1.05mm	0.3mm	6.3mm

All Series: 20x • 50x • 100x • 200x**※ 200x of TS-7LE & 8LEN: < produce upon receipt of order.****Optional Accesories****TS-8L-BH**
Battery Holder**TS-8L-LC**
Light Control**TS-LAC**
AC Power Supply**TS-8L-LCC**
Battery Holder with
Light Control**TS-0147NH**
Standard Light &
Small Stand**TS-0143**
Small XY Stage**TS-8L-DGA**
Camera Adapter**TS-8L-DG3**
Adapter for NIKON**TS-8L-DG3**
Adapter for SONY**TS-8L-USB1**
C-Mount Adapter**TSLW-1614**
16mm F1.4

Be Able to Equip High Pixels USB Camera to our Micrometer Scope Series



Micrometer Scope



TS-8L-USB1(C-Mount Adaptor)

+



TSLW-1614 16mm •F1.4)

=



Adaptor

What's Micrometer?

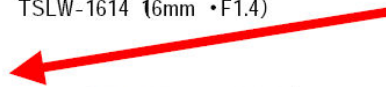
Handy type of Fixed Magnification.
Built in 16LED Direct Light type
and 1 Small Light Diagonal Light type.
There are 2 kinds each, one is Erected Image
and other is Inverted Image types.
20X •50X •100X •200X
There are 4 kinds of Micrometers.

Battery Holder of 1 Small Light is equipped with main body
Power Supply of 16LED is Option.

When observing Metal and 凹凸 surfaces,
recommend using TS-7 series Diagonal Light type.
Shadow is made of Object by Diagonal Light,
rising to the surface on Monitor.
Recommending to use 16 LED Light for
Printings.



With Adaptor

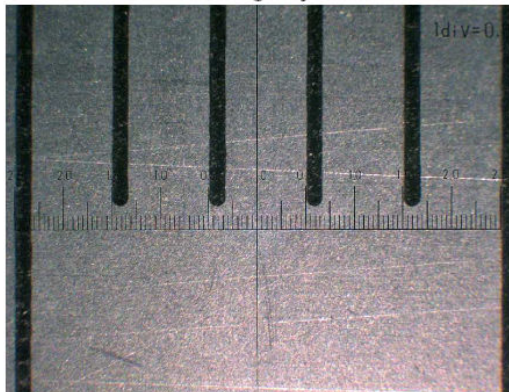


TS-CA-130M
1.3M Pixels USB CMOS Color Camera
With Viewer & Image-Save Software



With Camera
Please make fine adjustment
through monitor after
confirming focus of object.

Photo of 1mm Gauge by TS-7LE • 20X

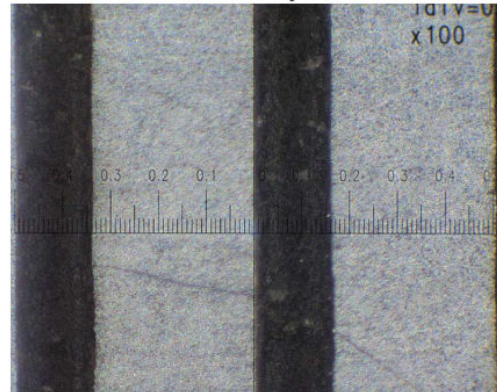


Photos are saved
to PC directly
by JPEG.

Gauge is Metal.

Attention!! Field of View of USB Camera is narrower than
naked eyes.

Photo of 0.5mm Gauge by TS-8LEN • 100X



SUGITOH
mail@sugitoh.com

SINCE 1906

Variation of Micrometer Scope

※ Need Power Supply (Option) for LED Light for All 8L Series.

OPTION PARTS



TS-8LEN

+



TS-8L-LCC

=



Assembled



TS-8LEN

+



TS-8L-LCC

+



TS-8L-DG1

=



Assembled

Be able to add Optical Zoom of Digital Camera to each Fixed Magnification of Micrometer.

※ Need Nikon C-Mount Adapter



TS-8LEN

+



TS-8L-LCC

+



TS-0147NH

+



TS-CA-130M

TS-8L-USB-01

=



Assembled



TS-8LEN

+



TS-8L-LCC

+



TS-8L-DGA

=



Assembled

Fix Camera by Adapter into Screw Hole. Adjust XY Axes along with Optical Path of Micrometer and imageformation distance by X Axis.

