

REED

Model R8100

Video Inspection Camera



Instruction Manual

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REED Instruments

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Safety

- Before operating this instrument, carefully read all safety information and specifications for the pinhole video
- This instrument meets European CE safety standards
- Consult professional instrument repair services for maintenance and repairs, do not attempt to handle them on your own
- Clean the camera after each use
- Do not use detergents to clean this instrument
- When storing the instrument for a long period of time, remove the batteries to avoid battery fluid leaking and damaging the instrument
- The gooseneck angle should not pass 90° or it will lose its flexibility

Features

- High visibility adjustable LED lighting
- Real-time 4.2" colour TFT LCD monitor with 480 x 234 pixel resolution
- Waterproof camera head and gooseneck
- Gooseneck is expandable up to 30' (9.144m) with the optional cable extensions

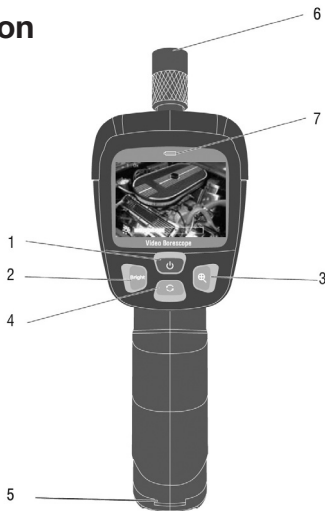
Specifications

Viewing Distance:	5.9 to 9.8" (15 to 25cm)
Viewing Angle:	0 to 180°
Camera Diameter:	0.66" (17mm); Length: 39" (1m)
Sensor Size:	1/4" CMOS
Sensor Pixel:	300,000
Max. Resolution:	640 x 480
Max. Frames:	30fps
Depth of Field (DOF):	10mm to infinity

Gooseneck Length:	1m (39")
Camera Diameter:	17mm (0.66")
Color TFT LCD Size:	2.4 inch
Display Resolution:	480 x 234
Active Area:	48mm x 35.6mm
Power Supply:	4 x AA
Operating Temperature:	0 to 45°C
Storage Temperature:	-20 to 60°C
Relative Humidity:	5 to 85%
Includes:	Video borescope, imager head, magnet, hook and mirror attachments, and batteries
Optional Accessories:	6' Cable Extension (BS-C6), 9mm Replacement Camera Head with 3' Cable (BS-15-9C3)

Instrument Description

1. Power Button
2. LED Brightness Button
3. Zoom Button
4. Rotation Button
5. Battery Compartment
6. Gooseneck
7. Battery Indicator



Operating Instructions

Press the Power Button to turn the instrument on. The screen will display the start-up screen indicating that it has turned on. To turn the instrument off press the power button again.



LED Brightness Adjustment

Press the LED Brightness Button to adjust the brightness of the LED.
Press and hold the LED Brightness Button to fast adjust it up and down.

Zoom

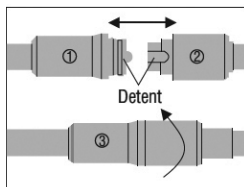
Press the Zoom Button to zoom in 2X. Press the button again to zoom back to 1X.

Display Rotation

Press the Rotation Button to rotate the image on the display by 180°.
Press the button again to return the image back 180°.

Additional Gooseneck Installation

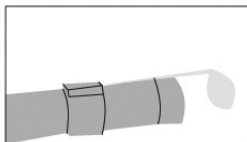
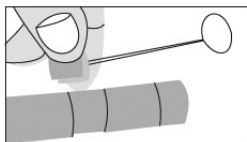
Follow the diagram below to install additional goosenecks on the instrument. Be sure to not under or over screw the connection covers.



Maximum gooseneck length is 30 feet (9.144 meters).

Accessory Installation

To install the mirror, hook, or magnet, follow the diagrams below.

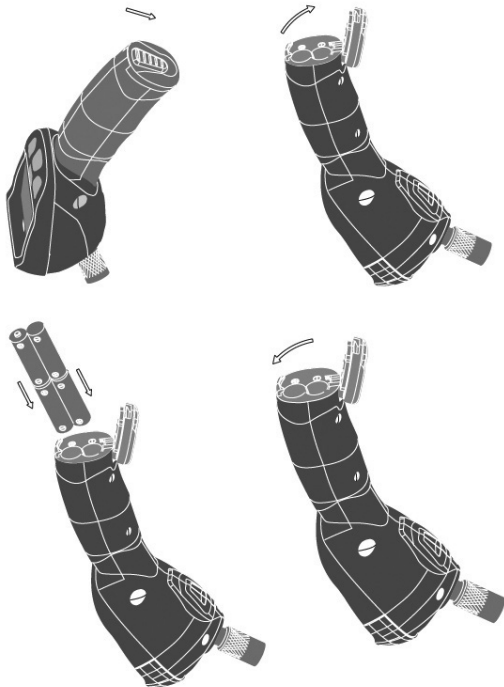


Battery Indicator

The Battery Indicator on this instrument changes colour to help indicate the battery status. When the indicator turns red the batteries will need to be replaced soon. When the batteries are about to die the indicator will flash 5 times and the instrument will turn off.

Battery Replacement

Follow the images below to change the instruments batteries. Be sure to match up the polarity properly.



Notes
