

ICP-MS Cone Magnifier, 10X with LED Illumination

Quick Start Instructions

The magnifier is used for inspection and measurement of the ICP-MS cone orifice. Featuring ten times magnification with LED illumination, manual focus and +/- 15 mm scaled reticle with 0.1 mm divisions.

Installing and replacing the batteries

The magnifier is supplied without any batteries due to restrictions on shipment of hazardous goods.

For operation of the LED illumination, four SR45 batteries are required. The batteries are a button type that are also used in watches. Alternative names for the battery type required may include: AG9, SG9, LR936.

Steps

Images

- 1 Rotate the lower half of the magnifier counter-clockwise by holding the black ring which houses the LED light switch (Figure 1).



Figure 1 Opening the battery compartment

- 2 The magnifier will unscrew in half and expose the battery compartment into which the 4 x SR45 batteries can be installed (Figure 2).



Figure 2 Battery compartment

- 3 Install the batteries with the positive (+) side facing in towards the center.
 - 4 Once the batteries have been installed, refit the two sections of the magnifier.
-

Using the magnifier

The magnifier is used to visually inspect the condition and cleanliness of the cone orifice. If the cone orifice is deformed in any way (not circular) or enlarged, the cone should be replaced.

Steps

- 1 The tip of the removed sampler or skimmer cone is viewed, with one eye, through the eyepiece (Figure 3).

Images

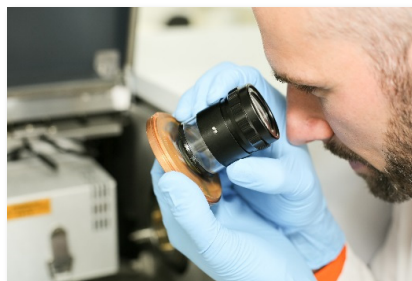


Figure 3 Using the magnifier

- 2 A reticule is included providing a measuring scale to check the size of the orifice (Figure 4).

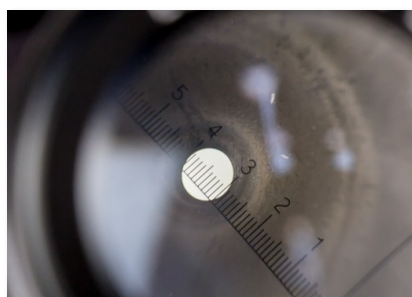


Figure 4 Magnifier reticule

- 3 If the image viewed through the magnifier is blurry, rotate the focusing ring (Figure 5) to bring the scale markings on the reticule into focus.



Figure 5 Focusing ring

- 4 To be in focus, the magnifier must be very close to (almost touching) the tip of the cone.

CAUTION Do not press the magnifier against the tip of the cone to avoid damaging the delicate cone tip.

This information is subject to change without notice.



5991-3302

Part Number: 5991-3302

Edition 03/18
Issue 1
Printed in USA

© Agilent Technologies, Inc. 2018

Agilent Technologies Australia [M] Pty Ltd
679 Springvale Road
Mulgrave, VIC 3170