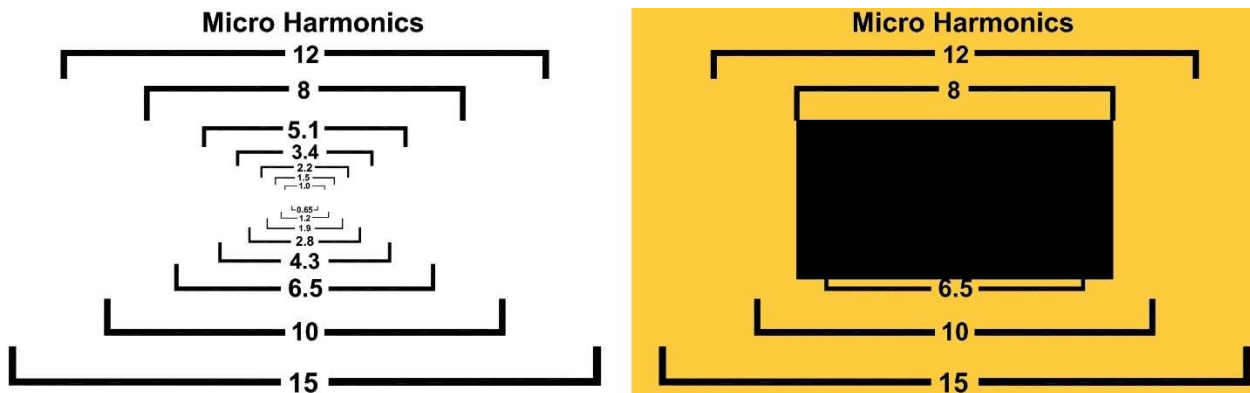


MMW Flange Identifier User Manual

This tool is designed to identify waveguide flanges from WR-15 to WR-0.65. It comprises a microscope with adjustable zoom (20-40 X), adjustable focus, LED illumination and a reticle. The reticle has features to identify the waveguide flange. A pair of waveguide flange alignment pin holes are located at the bottom of the microscope. Slide the alignment pins on the flange you wish to identify into the holes at the base of the microscope. The reticle is slightly recessed so that it will come into close proximity but not touch the flange. Take care not to damage the reticle by piercing it with waveguide pins or other small pointed objects.



When the microscope is held to a lighted background (no waveguide flange attached), all of the features on the reticle are visible as shown in the left side of the graphic. Before attaching to a waveguide flange, adjust the focus and magnification. When the microscope is attached to a waveguide flange, the area on the interior of the waveguide will go dark since there is no reflecting surface. For example, the graphic on the right shows the illuminated reticle with the microscope attached to a WR-8 waveguide flange. Although the markings for the 15, 12, 10 and 6.5 are still visible, only the “8” marker spans the exact length of the broad-wall of the waveguide thus identifying the flange as WR-8.



Cleaning - The reticle is made from BoPET (Mylar™). Do not clean with ammonia, vinegar-based cleaners or solvents. Do not use paper towels which can scratch the surface. We recommend blowing gently with compressed air to remove dust particles or lightly washing with distilled water. Do not submerge the microscope. If you must use a detergent or other chemical, be advised that these may permanently cloud the reticle.

Batteries (Included) – Uses three 1.5V LR44. It is recommended that they be changed together as a set.