

CM 121B/C Shadow Ring



CM 121 is a shadow ring that does not require power and can be used with all the Kipp & Zonen CMP, CGR and CUV series of instruments. It is used for measurements of the diffuse sky radiation or to shade a pyrgeometer from the direct solar radiation. CM 121B is for unventilated radiometers and CM 121C is for ventilated instruments.

The radiometer is installed on the mounting pedestal and after correct adjustment for the location and the sun declination the ring makes a shadow on the radiometer dome throughout the day. To maintain the shading accuracy it is necessary to adjust the position of the ring every few days to compensate for changes in the solar arc.

The ring has a width / diameter ratio of 0.185 and has a view of 10.6° seen from the radiometer.

Article	Part number
CM 121B Shadow Ring for unventilated radiometers	0346900
CM 121C Shadow Ring for ventilated radiometers	0346901