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Emissometer Adapter Model AE-AD1 (For use with Emissometer Model AE1)



Emittance measurements with the Emissometer Model AE1 and the AE-AD1 adapter can be made on flat areas as small as 1.5 inches (3.8 cm.) in diameter. A typical application would be taking measurements between tubes on a solar absorber panel or measuring areas smaller than the 2.25 inch (5.7 cm.) diameter of the Emissometer. The adapter will clear vertical obstructions up to .375 inches (.95 cm.) in height around the area to be measured.

The adapter is held in place by two nylon screws. From the collar that fits around the Emissometer, the adapter steps down to a 1.5 inch diameter tube, at the end of which is the measurement port. The interior of the tube is covered with a highly reflective and specular material. This reflective material directs the thermal radiation exchange between the detector and the sample allowing the instrument to be calibrated to read emittance of the sample.

