Product Description Sheet
Loctite® 7020 UV Spot Radiometer

Part # 1406024

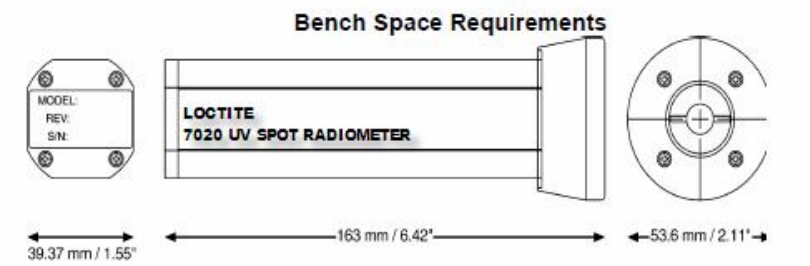
North American Engineering Center, April 2010

PRODUCT DESCRIPTION

The Loctite® 7020 UV Spot Radiometer is a self-contained, electro-optic instrument designed to measure and display the UV power density (irradiance) emitted by a UV spot curing system. The units displayed are watts per square centimeter. Decreased radiant power related to the degradation of UV lamps, light guides and reflectors can result in declines in process efficiency or incomplete curing of Loctite Light Cure products. The Radiometer is designed to provide the operator with instant feedback as to the performance of the spot curing system based upon changes in the irradiance.

PRODUCT FEATURES

- Monitor UV spot curing system performance
- Measure individual UV lamp performance
- Measure light guide degradation
- Optimize light guide positioning
- Determine proper UV intensity required for curing various materials
- Meet ISO-9000 requirements
- Includes Adapters for 3 mm, 5 mm, and 8 mm size lightguides



Technical Data

- Range: 0 to 20 Watts per square centimeter
- Resolution: 10mWcm2
- Display: 3-1/2 digit LCD
- Display time: 2.5 to 5 minutes
- Spectral Range: 320 to 390 nm (UVA region)
- Power Source: Lithium Battery Stick
- Battery Life: 12,500 hours continuous operation (over 100,000 readings)
- Overall dimensions: 6.42” (163 mm) long x 2.11” (53.6 mm) diameter, measurement head: 1.55” (39.37 mm) diameter
- Weight: 12.8 oz
- Case Material: aluminum, polyester and quartz
- Includes Calibration Certificate, Instruction Sheet, and Carrying Case

Recommendations

UV cure rate is dependent on lamp intensity, distance from the end of light guide, depth of cure needed or bondline gap and the light transmittance of the substrate through which the radiation must pass. Loctite Corporation recommends that you test all adhesive applications under simulated or actual end use conditions to ensure the adhesive meets or exceeds all required product specifications. Refer to the Loctite Light Cure Product Selector Guide and product Technical Data Sheets for curing specifications and performance.