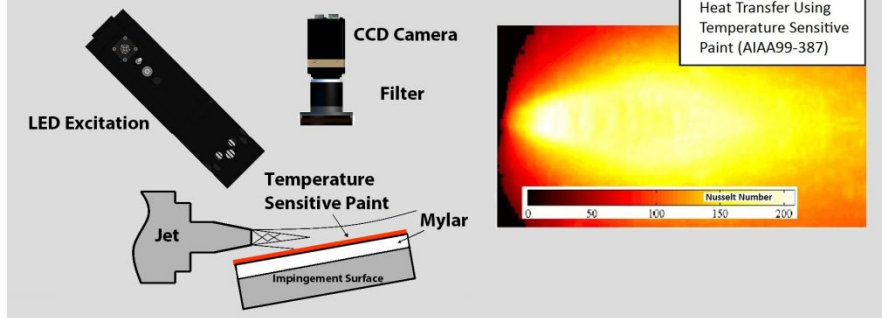


UniTemp Temperature Sensitive Paint

(Product ID: UNT-XXX)

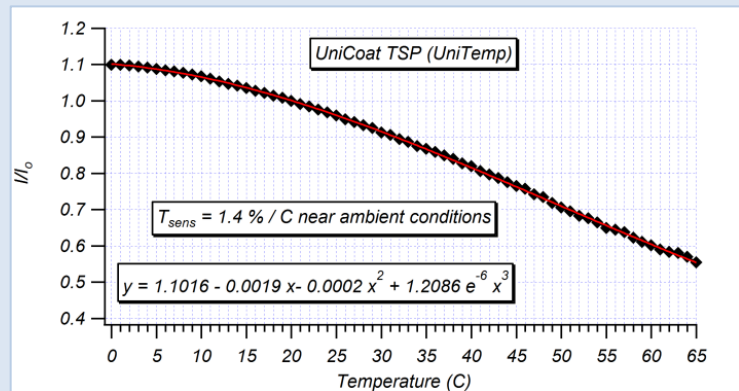
UniTemp is a single-luminophore, single application temperature sensitive paint. The TSP may be applied to most surfaces, but a screen layer such as SCR or FB is recommended for plastics and rapid prototyping resins to protect the surface from solvent damage. A desirable feature of UniTemp is ease of application. Simply shake the can and spray the surface. The result is a single coat application paint that may be applied directly to most materials. UniTemp is an effective quantitative TSP. It is also effective in compensating for errors due to model displacement and deformation. UniTemp is recommended for both advanced TSP users who seek quantitative data and users who seek to gain experience with temperature sensitive paints.

Inclined Jet Impingement

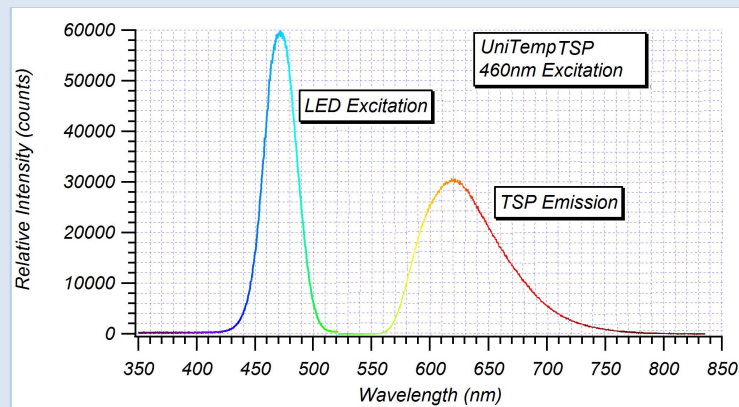


SPECIFICATIONS

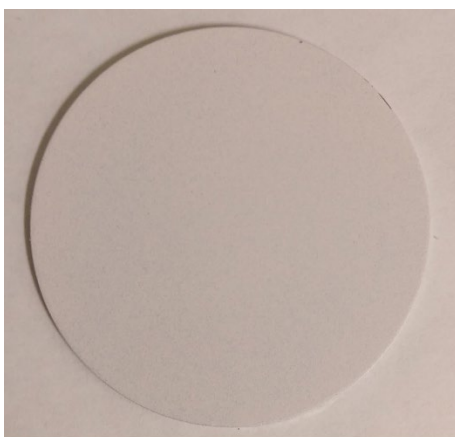
| | |
|-------------------------|--|
| Pressure sensitivity | 0.0% per kPa |
| Pressure range | 1-kPa to 10-MPa |
| Temperature sensitivity | 0.9% per °C |
| Temperature range | 10°C to 80°C |
| Response time | 750 ms |
| Excitation | 380-nm to 520-nm (460-nm ideal) |
| Emission | 500-nm to 720-nm |
| Photo-degradation rate | 1% per hour (Excitation) |
| Shelf life | 12-months |
| Filter | 550-nm |
| ECCN | EAR99 |
| Available Quantities | 12-oz aerosol can, or 200-, 400-, 750-ml |



Calibration



Spectral Response (TSP Emission Scaled)



UniTemp TSP

Innovative Scientific Solutions, Inc.
7610 McEwen Road, Dayton, OH 45459
Phone (937) 630-3012, Fax (937) 630-3015

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web: www.innssi.com

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