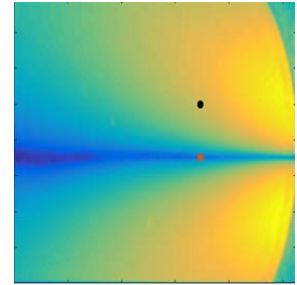


TurboFIB Pressure Sensitive Paint

(Product ID: TF-XXX)

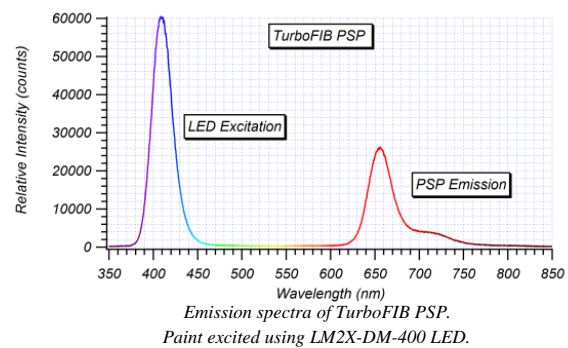
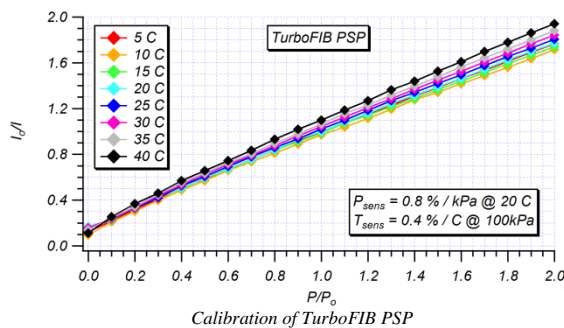
TurboFIB pressure sensitive paint (PSP) is a single-luminophore, single application PSP formulated to be applied with paint spraying equipment. TurboFIB provides many of the advantages of UniFIB PSP, but with faster response (1 kHz) and reduced temperature sensitivity. This paint formulation may be excited effectively from 380-nm to 550-nm, however, 400-nm radiation from LM2X-DM-400 LED modules is recommended. The paint may be applied to most surfaces, though it is recommended that plastics and rapid prototyping resins first be coated with SCR-XXX (Screen layer) or FB-XXX (FIB basecoat) to protect the surface from solvent damage. The calibration of TurboFIB (shown below) is very stable and repeatable thus TurboFIB is recommended for advanced/professional PSP users who seek high quality data. Paint is sold in quantities of 200-ml, 400-ml and 750-ml. Custom quantities are available upon request. Surface coverage is approximately 1 m² per liter.



Mean Spectra on Fluidic Oscillating Nozzle Output using TurboFIB PSP

SPECIFICATIONS

Pressure sensitivity	0.8% per kPa
Pressure range	0-kPa to 200-kPa
Temperature sensitivity	0.4% per °C
Temperature range	0°C to 50°C
Response time	<1-ms
Excitation	380-nm to 550-nm
Emission	620-nm to 750-nm
Photo-degradation rate	1% per hour – Excitation
Shelf life	12-months
ECCN	EAR99



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