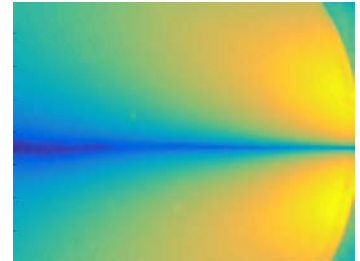


# TurboFIB™ Pressure Sensitive Paint

(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 ISSI 400-nm 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. Surface coverage is approximately 1 m<sup>2</sup> per liter.



Mean Spectra on Fluidic Oscillating Nozzle Output using TurboFIB™ PSP

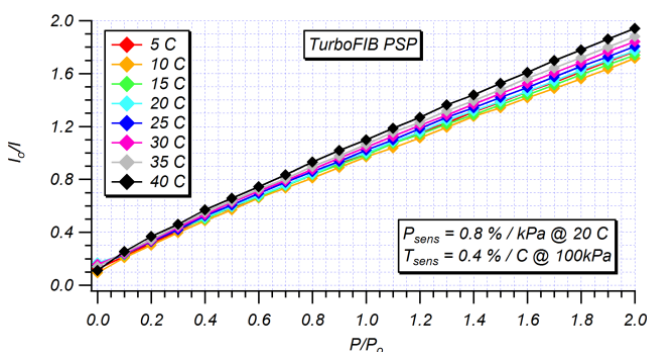
## SPECIFICATIONS

<b>Pressure sensitivity</b>	0.8% per kPa
<b>Pressure range</b>	0-kPa to 200-kPa
<b>Temperature sensitivity</b>	0.4% per °C
<b>Temperature range</b>	0°C to 50°C
<b>Response time</b>	<1-ms
<b>Excitation</b>	380-nm to 550-nm (400-nm ideal)
<b>Emission</b>	620-nm to 750-nm
<b>Shelf life</b>	12-months
<b>Filter</b>	610-nm
<b>ECCN</b>	EAR99

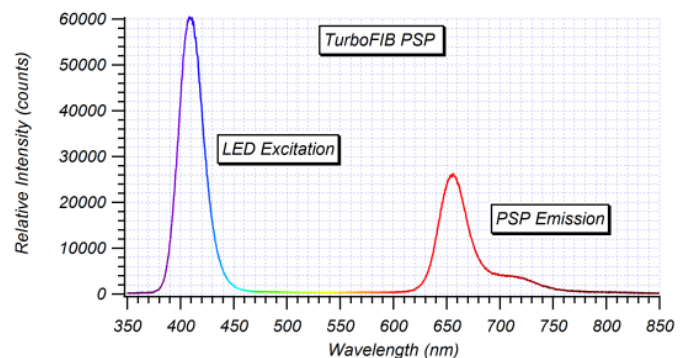
Available quantities: 200-, 400-, 750-ml



TurboFIB



Calibration



Spectral Response