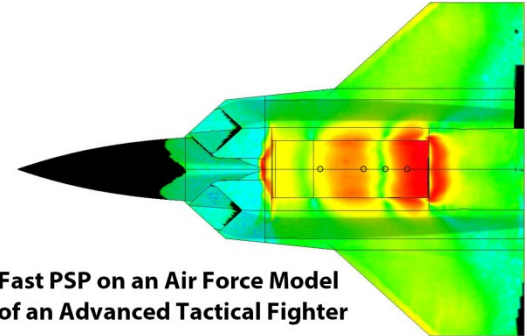


## Porous, Fast-Response Pressure Sensitive Paint

(Product ID: FP-XXX)

Porous Fast-Response PSP is a three component, single-luminophore high speed pressure sensitive paint (PSP) formulated to provide high speed response (>10kHz) suitable for unsteady pressure measurements with high pressure sensitivity. The temperature sensitivity of these paints is higher than UniFIB® or TurboFIB™ so this PSP is best suited for isothermal environments. This paint comes in three parts. Determine how much PSP you need for your application and measure out part A by volume. Part B will be measured out 5% by volume of part A. Shake the part A and B mixture well. This mixture is to be sprayed with paint spraying equipment on to the surface of study with a wet application to achieve a smooth finish. This application is the base layer. Once the base layer is dry, apply part C with paint spraying equipment, the overspray. The overspray, part C, may be reapplied more than once. A typical order would be a 100mL kit which would consist of three containers: 100 mL of part A, 5 mL of part B and 100mL of part C.

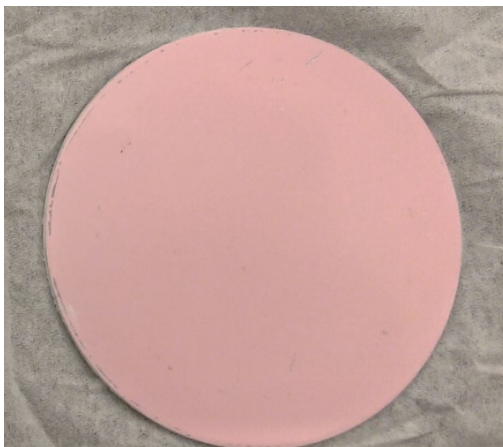


Fast PSP on an Air Force Model of an Advanced Tactical Fighter

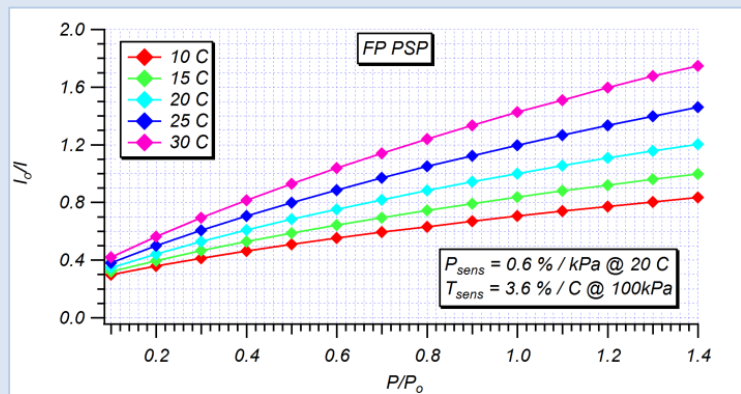
### SPECIFICATIONS

Pressure sensitivity	0.6% per kPa
Pressure range	0-kPa to 200-kPa
Temperature sensitivity	3.6% per °C
Temperature range	0°C to 80°C
Response time	<100 μs
Excitation	380-nm to 550-nm (400-nm ideal)
Emission	600-nm to 720-nm
Photo-degradation rate	1% per minute (Excitation)
Shelf life	3-months
Filter	610-nm
ECCN	EAR99

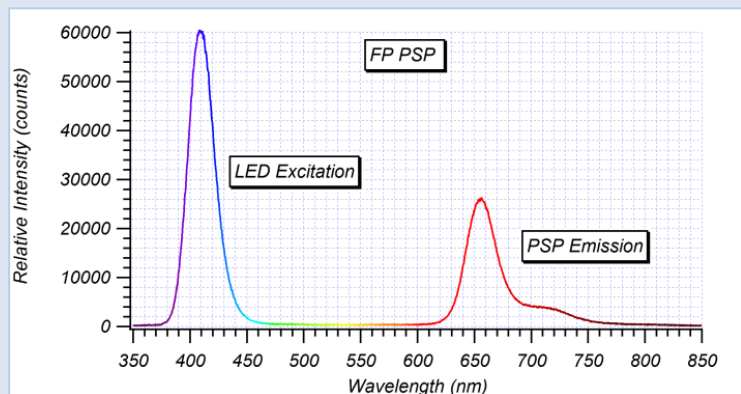
Available quantities: 100-, 200-, 400-, 750-ml



Porous Fast PSP



Calibration



Spectral Response (PSP Emission Scaled)

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

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