

TECHNICAL SPECIFICATIONS FOR
MICROCHANNEL PLATE DETECTOR AND PHOSPHOR SCREEN ASSEMBLY

The detailed specifications for the microchannel plate detector and phosphor screen are given below.

DETAILED SPECIFICATIONS

S.No.	Item	Description
1.	MCP detector	<ul style="list-style-type: none">• Type: Circular• Channel diameter: Between 12 - 25 μm• MCP gain stages: Multi stages (Between 1-3)• Open area ratio (OAR): $\geq 60\%$• Outer assembly diameter: $\geq 80\text{ mm}$• Maximum height: $\geq 15\text{ mm}$
2.	Phosphor Screen	<ul style="list-style-type: none">• Peak emission wavelength: $\geq 500\text{ nm}$• Relative energy efficiency: ≥ 1• Decay time: $\geq 0.3\ \mu\text{s}$

Additional Requirements:

1. Mandatory 1 year Warranty period for all parts, accessories, and components.