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Find the *Products for Research PC176TSCE-006* at our website: *Click HERE*

Products for Research Inc.

PHOTOCOOL™ Series and CE Marked

Liquid Nitrogen

Cooled Photomultiplier Tube Chambers

for PMT's of 65 mm, 53.4 mm, and 30 mm Nominal Diameter and MCP PMT's of 64 mm Nominal Diameter

This CE marked, Liquid Nitrogen Cooled series includes the **PC166TSCE** (end on), **PC176TSCE** (end on), **PC183TSCE** (side on), **PC193TSCE** (side on), **PC335TSCE** (end on), and **PC341TSCE** (end on) LN_2 cooled photomultiplier tube chambers. These chambers utilize **Frost Free Cold Zone** temperature controlled LN_2 flow to achieve temperatures needed for superior detector performance. These **PHOTOCOOL™**, PMT coolers are provided complete with magnetic, electrostatic and RFI shielding, a double pane evacuated window cell with the **Products for Research** no-dew apparatus to prevent formation of condensation in the light path, low voltage DC power supply with Digital PID Temperature Control and the appropriate PMT socket assembly.

Chambers in the Liquid Nitrogen Cooled series have been designed to accept all interchangeable options and accessories used in conjunction with the **PHOTOCOOL™** line of cooled housings for 2.1 inch (53.4 mm) or less nominal diameter photomultipliers.

Unit Type	Description	Performance
PC166TSCE	Liquid Nitrogen Cooled Photomultiplier Tube Housing for 64 mm diameter end on PMT's Outline drawing and Specifications	Temperature setpoint range: Ambient to -100°C with ± 0.1°C regulation
PC176TSCE	Liquid Nitrogen Cooled Photomultiplier Tube Housing for 53.4 mm diameter end on PMT's	Temperature setpoint range: Ambient to -100°C with ±

	Outline drawing and Specifications	0.1°C regulation
PC183TSCE	Liquid Nitrogen Cooled Photomultiplier Tube Housing for 30 mm diameter side on PMT's Outline drawing and Specifications	Temperature setpoint range: Ambient to -100°C with ± 0.1°C regulation
PC193TSCE	Liquid Nitrogen Cooled Photomultiplier Tube Housing for 53.4 mm diameter side on PMT's Outline drawing and Specifications	Temperature setpoint range: Ambient to -100°C with ± 0.1°C regulation
PC335TSCE	Liquid Nitrogen Cooled Photomultiplier Tube Housing for 64 mm diameter end on MCP PMT's Outline drawing and Specifications	Temperature setpoint range: Ambient to -100°C with ± 0.1°C regulation
PC341TSCE	Liquid Nitrogen Cooled Photomultiplier Tube Housing for 30 mm diameter side on PMT's Outline drawing and Specifications	Temperature setpoint range: Ambient to -100°C with ± 0.1°C regulation

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