

HPD Olympus 104

Large, Cryogen-Free ADR Cryostat

000111100010

► Features

- CryoMech PT 410/415 pulse-tube head
 - Remote or internal rotary valve motor
 - Vibration isolation bellows
 - 0.9 W/1.35 W cooling power at 4.2 K
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- HPD ADR (NIST design)
 - Kelvar suspension
 - 1 K & 50 mK Stages
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- Optimized for versatility and flexibility
 - 2X NW80 user ports on top flange
 - 4X NW63 user ports on top flange
 - 7X NW50 user ports on top flange
 - 2X NW200 user ports on vacuum jacket side
 - 4X NW50 user ports on vacuum jacket side
 - 1X Ø6" user port on vacuum jacket bottom
 - Electrically controlled heat switch
 - Quick release flanges on thermal shields and vacuum jackets
 - Nickel plated aluminum thermal shields (50 K, 4 K)
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- Robust internal construction
 - Easy to invert or transport
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- Custom service stand
 - Allows for transport & servicing
 - 30 inches of height adjustment

► Design Specifications

- Large experimental space
 - Ø44 cm X 60 cm height
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- Cool down from 300 K to 3 K in 19 hours
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- Pulse-tube stage temperatures of 50 K and 2.7 K
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- ADR base temperature of 30 mK
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- No load regulation time of 250 hours at 100 mK



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