

NOTE FROM STEPHEN: ORDER PLACED ON 3 NOVEMBER FOR QTY 2 OF THE PZT QUOTED HERE

October 28, 2016

Rick Savage
 LIGO Hanford Observatory
 127124 N Route 10
 Richland , WA 99354

Phone: (509)372-8130
Email: richard.savage@ligo.org

Subject: Special UHV / Cryo PICA-Thru Actuators
PI Quote #: Q-268863-0

Kindly include this Quotation with your Order

Thank you for your request and interest in PI. We are glad to hear that you are considering our PI products for your application

Pos.	Qty.	Part No.	Description	Unit Price	Total Price
10	2	NEW	Special UHV / Cryo PICA-Thru actuator Modified P-025.xxH Ceramic: PIC 151 (see datasheet) Active layers TH=0,5mm Dimension: OD=25mm x ID=16mm x L=5mm (open IDmin. ~15mm) Displacement: ~3,7µm @ 1000V Capacitance: ~45nF (+/-20%) With wires (L~100 mm) Fres.: ~202kHz	\$630.00	\$1,260.00
20	5	NEW	Same as above	\$510.00	\$2,550.00
30	10	NEW	Same as above	\$480.00	\$4,800.00

Lead Time: 8-10 weeks ARO.

If you have any questions please don't hesitate to call me at +49 36604 882-4220 or email me at the address below. We appreciate your interest and look forward to serving you.

Best Regards,

Donn Silberman
 Sr. Applications & Sales Engineer
 Email: donns@pi-usa

Addendum: Ordering and Warranty Information

All **PI** products can be ordered through the following address:

PI (Physik Instrumente) L.P.
16 Albert Street
Auburn, MA 01501

508-832 3456 (phone)
508-832 0506 (Fax)
orders@pi-usa.us (email)

All products or systems quoted are guaranteed to be free of defects in materials or workmanship for a period of one year from date of invoice. Piezoelectric products are not warranted against mechanical damage resulting from improper use wherein excessive force or voltages are applied that are outside specified ranges, or for the use of power supplies or amplifiers not sold by PI unless such use is expressly approved in writing by PI.

The following notes also apply:

1. Prices are FOB Shipping Point
2. Payment terms are Net 30. Payment terms are subject to PI credit approval at receipt of purchase order and prior to shipment.
3. Quoted delivery is valid at this time and is subject to change based on receipt prior orders. Actual delivery will be determined when the order is received.
4. Credit cards are accepted for orders up to \$3,000. A Credit Card Order Form is available at: <http://pi-usa.us/CCOrderForm.pdf>
5. Standard PI Terms & Conditions apply.
6. Purchase orders issued for items on this quotation acknowledge acceptance of all stated terms and conditions.

For Terms and Conditions refer to: <http://www.pi-usa.us/TC-PI05.pdf>

General Software License Agreement: <http://www.pi-usa.us/EULA.pdf>