

ASC Scientific Thermal Demagnetizer



Make: ASC Scientific, USA

Model: TD48, High-capacity dual-chamber Thermal Specimen Demagnetizer

- 96 Sample Capacity, (48 heating, 48 cooling)
- 3-Layer Seamless Magnetic Shield
- Separate Heating and Cooling Chambers
- 3 Zone Oven for Uniform Temperature
- 25 to 799°C Range

Description:

The Model TD48 Thermal Demagnetizer features a large internal diameter oven and three row sample boat for heating up to 48 one-inch diameter or one-inch cubic geologic samples in a single batch. The oven and adjacent fan-assisted cooling zone are housed in a three layer seamless magnetic shield which permits cooling of one batch while a second batch is heating. The cooling chamber has two additional shields which limit the maximum internal field to less than 10 nT with the instrument oriented perpendicular to the earth's field. The oven has three independently controlled zones- a large sample zone and two small trimmer end zones - which minimize temperature gradients across the sample zone while keeping overall oven length to a minimum. The system was designed for long service life by incorporating features into the oven and sample boat that protect the internal oven wall from damage.

SPECIFICATIONS

Absolute Temp. Accuracy:	10°C
Temp. Repeatability:	1°C
Max. Temp. Gradient:	10°C Total Over 16" Sample Region of Oven Chamber with Full Sample Load. 3°C Attainable with Partial Sample Load
DC Field in Heating Chamber:	Less than 25 nT (Gammas), When System is Oriented in East-West Direction
DC Field in Cooling Chamber:	Less Than 10 nT (Gammas), 2-5 nT Typical
Heating Time:	48 Specimens From 25°C to 600°C in 45 Minutes
Cooling Time:	48 Specimens From 600°C to 40°C in 25 Minutes
Power Requirements:	115 VAC, 30 AMPS; 230V operation with supplied step-down transformer
Size:	Oven Unit - 72" (183 cm) L x 16" (40.5 cm) W x 13" (33 cm) H Control Unit - 17" (43 cm) W x 15" (38 cm) D x 7" (18 cm) H

User Instructions:

1. Each requisition should be addressed to **Director, BSIP** for allotment of analysis date
2. Payment is to be made in advance through bank draft in favour of “**Director, BSIP, Lucknow**”. Kindly visit our website for the updated rate-list
3. Data generated will be provided on CD or DVD
4. Sediment/Soil samples should be fully packed in 10 cc plastic bottles

Contact Us:

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Analysis cost: See analytical cost list as attached below