

The T-1218 Large-Range Bore Target

*High accuracy and measuring range
for large-bore centering applications*

Hamar Laser's new T-1218 Universal Target is a 2-axis, large-range target designed for large-bore centering applications such as turbines or stern tubes, and also for long distance applications using the L-708LD Laser. The T-1218 can be used with the T-1225(L) flange(s) adapter, the T-1230 target stand or custom fixtures. Compatible lasers include the L-700, L-705, L-706, L-708, L-708LD and L-741.

Target Features

- 20x20 mm PSD, offering twice the measuring range of the T-218 Target (Note: T-1218 does not have see-through capability. For a large-range see-through target, see the T-1220 datasheet).
- Higher accuracy, super-linear PSD with <1% error over the full measuring range.
- Compatible with the R-1307 Series of readouts (the R-1307C, R-1307-900, R-1307-2.4 and A-910-2.4ZB) and Hamar Laser alignment software.
- Uses the T-1225L Large-Bore Centering Fixture with user-suppliable legs to measure bores or customers' fixtures.
- Compatible with the T-1230 Target Stand.
- Removable cable that can be inserted into both the front and back of the target.

Applications

- Stern tube bores
- Long-distance applications where the L-708LD Laser is used
- General alignment of large bores where a big misalignment is expected
- Cam/Crankshaft/Cylinder Bore Alignment/Inspection
- Turbine Bores



The T-1218 Large-Range Bore Target with removable cable



**HAMAR
LASER®**
ALIGN WITH THE BEST

5 Ye Olde Road, Danbury, CT 06810 USA

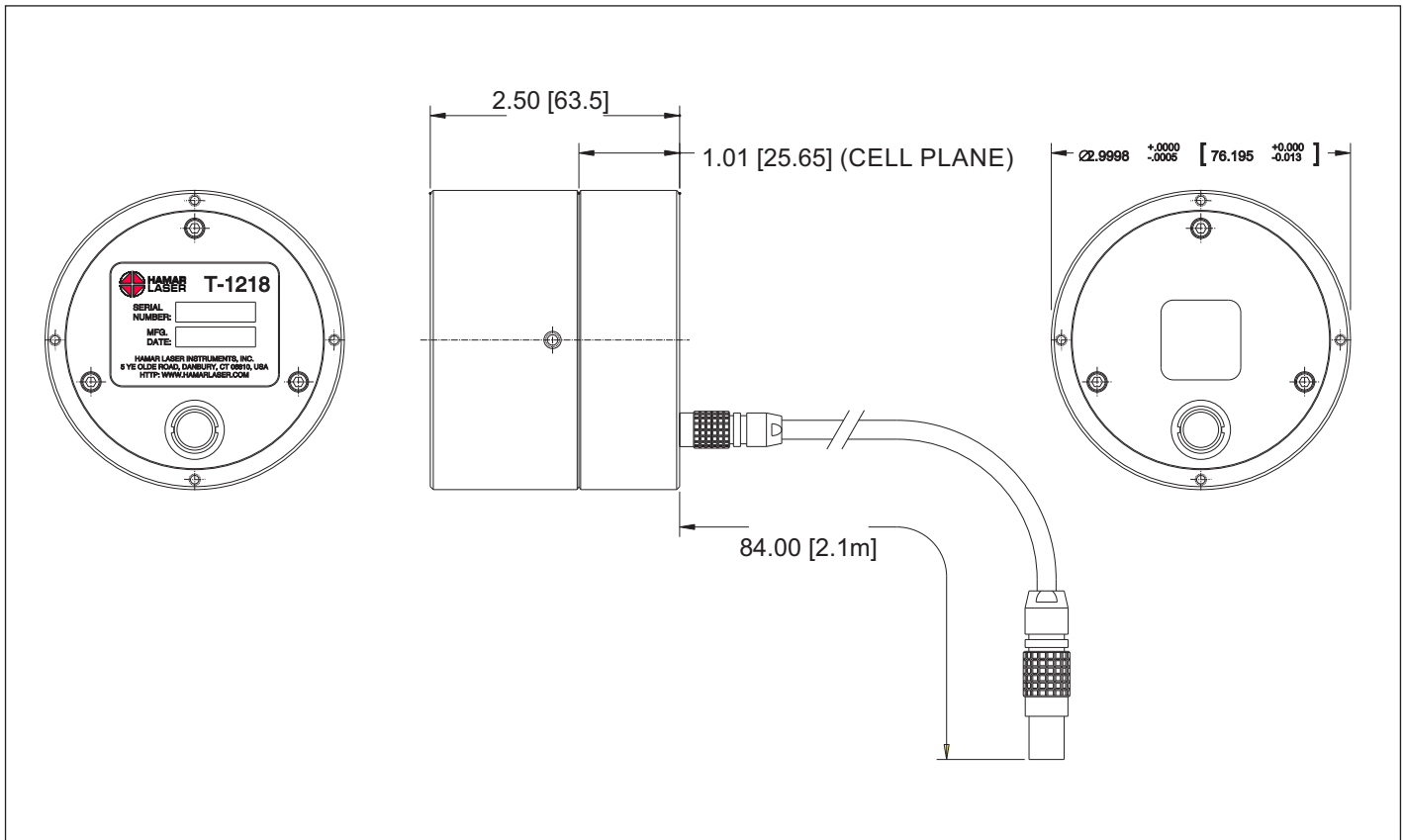
Phone: (800) 826-6185 or +1-203-730-4600 • Fax: +1-203-730-4611

E-mail: sales@hamarlaser.com • Internet: <http://www.hamarlaser.com>

For a list of our distributors, please visit: http://www.hamarlaser.com/intl_distributors.htm

Specifications

The T-1218 Large-Range Bore Target



Weight	2.9 lbs. (1.3 kg)
Material	440C Stainless Steel
Resolution	.00002 in. (.0005 mm)
Target Cell Error	<1% over the effective measuring range
PSD Size and Type	.78 x .78 in. (20 x 20 mm) 2-axis, non see-through
Measuring Range (Standard Lasers)	$\pm .295$ in. (± 7.5 mm) in both axes
Measuring Range (Long Distance Laser)	$\pm .100$ in. (± 2.5 mm) in both axes
Cord Dimensions	Target to connector: 10 feet (3.05 m). Removable cable with Lemo connector
Connector	Lemo 9-pin metal - located on front and back of target
Mounting Dimension	2.9993 in. to 2.9998 in. (79.182 mm to 79.195 mm) outer diameter
PSD Concentricity	PSD concentric to mounting surface to within .0005 in. (0.0127 mm) TIR (electrical center to mechanical center)