

LTX1 ADVANCED

DP REFERENCE LASER

The **LTX1** is an advanced positioning sensor designed to give high accuracy range and bearing measurements to the vessels dynamic positioning (DP) computer during critical short range DP operations.



The LTX1 has an operating range out to 1000m line of sight during offshore support vessel (OSV) operations. Typical applications for the LTX1 include platform supply vessel (PSV), dive support vessel (DSV) and well stimulation vessel (WSV) operations. The LTX1 outputs industry standard data telegrams which interface to all leading DP computers. The LTX1 is designed for quick and easy installation and is designed as a permanent vessel fit or as a project specific temporary installation.

KEY FEATURES:

- High accuracy short range and long range performance
- Simple installation and operation
- Rugged design
- Choice of targets to suit application

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Sonar Equipment is the global sales partner for NES limited, providing an extensive track record in the supply of marine electronics to the offshore energy sector.

Navigation Engineering Services Limited has over 30 years experience of manufacturing, installation and service of specialist positioning and reference systems.

ELECTRICAL

Power Input: 90 V to 240 VAC, 50 Hz, (110 W)

POWER TO LASER SCANNER

24 VDC

LASER

Distance Measurement: Class 1 Laser

Angular Measurement: Optical encoders

Distance Accuracy: 20 cm

Angular Accuracy: 0.1 degree horizontal and vertical

Laser Range: 1000 m (dependant on target)

DATA COMMUNICATION

Data Output: RS232/RS422

Data Format: All standard DP telegrams

MECHANICAL

Diameter: 300 mm

Length: 600 mm

Weight in Air: 10 kg

Standard Housing: Hard Anodised Aluminium

Mounting Bracket: Mild steel with plastic and brass

Water resistant: IP66

CONTROL SYSTEM

19" Rack mount workstation

User interface software

TARGET OPTIONS

Short Range: Omnitube target

Long Range: Prism cluster/prism strip

All information contained in this brochure may be subject to change without prior notice