

Laser Marked PVDF Flat Tape Accuracy Statement

Solinst #101 P7 Water Level Meters and 107 TLC Meters are certified traceable to National Standards.

Our reference standard is verified by the **NIST Metrology Laboratory** (National Institute of Standards and Technology). NIST Test # 821/278129-09

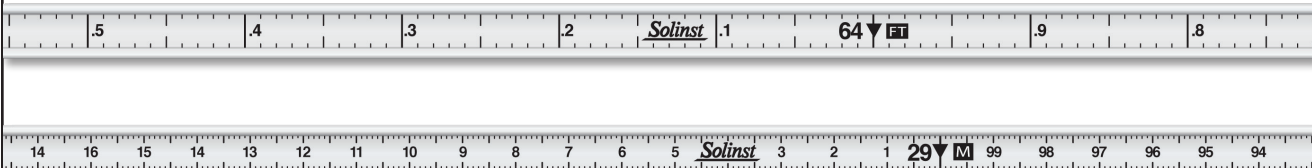
Accuracy specifications of our marked flat tapes meets or exceeds tolerances outlined in the following international standards :

EU Measurement Instruments Directive 2004/22/EC, Accuracy Class I, (European Union Standard)

ASME Performance Standard for Steel Measuring Tapes: B89.1.7-2009

NIST Handbook 44, Section 5.52, "Linear Tolerances", (North American Standard).

Specifically, all Solinst PVDF Flat Tapes are marked to an accuracy of at least 0.01%, under horizontal tension using a 500g (17.6 ounce) weight.



The PVDF Flat Tape is Laser-marked every 1/100ft or each millimeter

Solinst Flat Tape Specifications:

- Break Strength: >100Kg (220 lbs)
- SS Conductors coefficient of linear thermal expansion: $16 \times 10^{-6} K^{-1}$
- 13 strands of 304 Stainless Steel and 6 strands of copper-coated steel in each conductor
- PVDF flat tape jacket