

The Accuracy of Solinst CM3 Flat Tape

All of the tapes used for Solinst Model 101B Water Level Meters are marked to the following standard:



which is horizontal. A steel calibrated measure, 20 metres in length, is used to check the accuracy of the markings. The acceptable tolerance is +2 to +8 mm [i.e. $\pm 0.015\%$ from the mean tolerance of +5 mm (+0.197")].

This method has been found to give the best accuracy in normal use (i.e. average tape length and life span). When the probe is attached to the tape, the zero point of the measurement is taken from the tips of the outer conductor pins.

The steel calibration measure used to check our tape markings is 20 metres long and has been verified by measurements traceable to National Standards to be +2.3 mm longer than the exact measure (with an uncertainty of ± 0.2 mm). This difference is taken into account in the marking of our tapes.

