USING A HAND-HELD TENSION METER

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Tension meters supplied by such companies as CheckLine, will give years of service and accurate tension readings. However, they are designed to be used in one specific way. The measuring wheel has a component of weight. This factor is calibrated out when the meter is used in the vertical position. With the measuring wheel pointing down, the weight of the wheel will not cause an error. However, any other orientation of the meter will create some error. The worst way to use the meter is to vary the orientation of the meter across several ends. This will result in errors that cannot be reduced because there is no indication of the magnitude of the error.

It is important to always use the meter in the same orientation – preferably in the vertical position. As a side note, when measuring the tension to validate an AEI tension device, it is necessary to measure the tension at the output eyelet of the tensioner. Any measurements at the front of the creel are potentially impacted by other tension sources.

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