

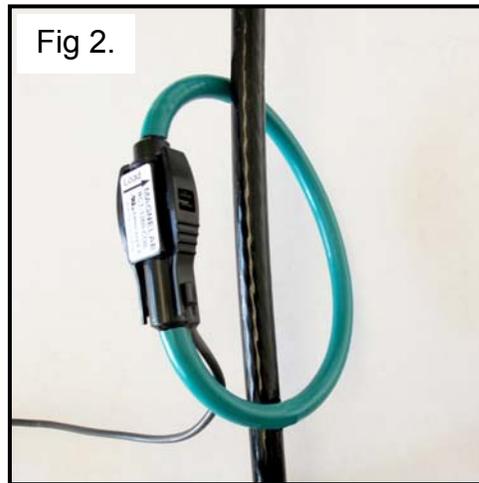
Magnelab RopeCT[®] Positional Accuracy

This guide was written to help installers achieve the best accuracy possible with Magnelab RopeCT[®] products. Magnelab RopeCT[®] accuracy can be dependent on the positioning of the conductor within the RopeCT[®]. To achieve maximum accuracy with a Magnelab RopeCT[®], it is best to install the RopeCT[®] such that the conductor passes through the center of the RopeCT[®] (Fig. 1). If it is impossible to place the conductor through the center of the loop in such a way that the loop is perpendicular to the conductor, then the next best method of placement is to hang the RopeCT[®] off of the conductor such that the black connector is away from the conductor. This method is illustrated in (Fig. 2) and should allow you to keep the linearity to near +/-1% error. It is easy to achieve this positioning with tie-wraps or similar verified non-conductive fastener.

Fig 1.



Fig 2.



Essentially, the conductor is passing through positions 2, 1, and 4 as indicated in Fig. 3. According to Fig 3., the following accuracy values are expected for a Magnelab RopeCT[®] with attached integrator.

	Position	Error
1	Centered in loop	<0.25%
2,3,4	Near outer edge	< 2.0%
5	Near connector	<5.0%

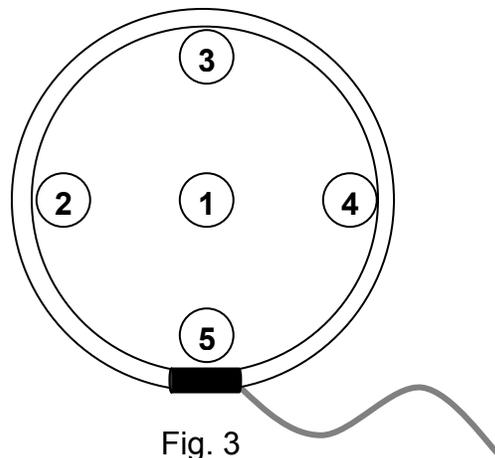


Fig. 3