

Connections

Measure for measure, it sounds good to me.

It is common knowledge that anyone who buys anything at a CVS will get a long cash register receipt. I propose that the CVS receipt become a unit of measure. ~Eight receipts = distance from BOSTON to Hartford ☺

“Science cannot progress without reliable and accurate measurement of what it is you are trying to study. The key is measurement, simple as that.”

- Robert D. Hare

As New England Drives & Controls constantly strives to become a better asset to our customers, our whitepaper series will feature new technologies or helpful insights that may be pertinent to the reader. It is our sincere hope that this information will be beneficial in both relating, and applying content to your industrial needs.

We hope you find this whitepaper series an enjoyable and informative read.

We always welcome your questions and comments.

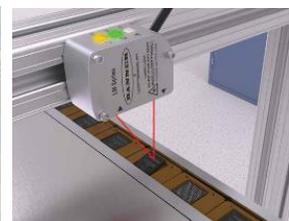


A sensor that can be used to measure a distance between it and another object can be utilized in so many ways. It can be used to verify the thickness of a material, the amount of grain in a hopper, whether or not a part is installed on an assembly, the



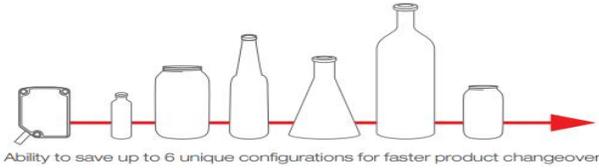
list can go on and on. Having said that, let me introduce the Banner LM series of laser measurement sensors. The measurement resolution of this sensor is .004mm. This precise measurement is also done regardless of the reflectivity of the target.

This type of resolution can detect the presence of a decal on a container. At the risk of sounding like Ron Popeil; “That’s not all!” At a range of up to 150mm the LM series of sensors can also detect colors using its dual teach mode. The LM Series is IP67 rated and housed in a stainless-steel enclosure. It can also be connected to a Remote Sensor Display that can indicate the modes that it is in, as well as the live readings it is making. This remote can also store up to six unique configurations to program replacement sensors.



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The LM series of sensors have three visual indicators on their housing. One is a green power indicator, one is for showing the status of a discrete output, the last one to indicate there is an analog output. If the RSD is attached it will mimic these same LEDs as well as utilize a two-line, eight-character display. This can be used to easily program the sensors as well as display more accurate analog information. The sensor does not need the RSD to operate.



Did I mention, the RSD is also Din Rail mountable. The people at Banner thought of everything. If you have an application that is tricky for other sensors, we can probably find one that will work perfectly for you. Give your friendly New England Drives & Controls representative a call! We love helping you to reach your goals.

-Peter Lavoie (Engineering Manager)



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