

## The Availability of the Clamp on Flow Meter

It is truly important to understand that there is not only one clamp on flow meter, but rather you are able to determine the type of flow meter that you need and/or want, and then you usually have the option of choosing a clamp on flow meter for that particular type of flow meter that you have chosen.

### Understanding Thermal Energy

In order to understand what you would need a clamp on flow meter for to begin with, you first need to understand a bit about thermal energy; basically thermal energy is mainly distributed by fluid media to the points of consumption, and the energy manager involved in this situation would not only be interested in the total energy required, but also in that of the consumption of individual heat consumers and in the flow of the energy in the plant in general.

The reason that thermal energy relates to something such as a clamp on flow meter is due to the fact that the clamp on flow meter is a device which is typically used in this type of situation, in order for the members involved to be able to read the flow and velocity of the thermal energy that is involved in that particular situation.

The flow measurement involved in this type of situation would be based on that of the ultrasonic transit time technique, and this method would thus utilize the transmission of sound waves in the fluid itself, and sound pulses would then be sent alternatively downstream and upstream through the liquid the entire way.

Furthermore, you should also know that the transducers for coupling these sound signals through the pipe clamp from the outside onto the pipe, all the while ensuring that there is no actual disturbance to the flow itself, may be a rather expensive installation, however are incredibly important at the same time, and so they would be well worth the purchase in the end.

You can generally find these at your local hardware store, and you can find some at better prices than others, and so you will thus want to take a bit of time so that you can find the best quality and worth for your money that you possibly can; it truly will be worth it in the end, and so use the resources that are available to you as well in order to help you in this situation.

Source: <http://www.articlecircle.com>

### About the Author

Scott Fromherz owns and operates multiple websites. For more information on clamp on flow meters visit <http://www.FlowMeterBasics.com/> or <http://FlowMeterBasics.blogspot.com/>