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"Interest" in Cryogenic Flowmeter for Tank Lorry

Improvements in measuring error, huge savings in measuring costs

KCC (Korea Cryogenics Co.), Licensing Contract in Asia

Recently, industrial gas distributors are focusing on the launch of a cryogenic flowmeter that could save significant time and costs in measuring the process used by weighing the actual tank lorries over the past years.

The president of *KCC*, Mr. Park, made an exclusive contract with *Sponsler, Inc.* last September for this cryogenic flowmeter; that will cover Asia regions from India to Japan. *KCC* is planning to promote this item fully from the beginning of November 2004.

The cryogenic flowmeter, installed upon certification by the Korea's Testing and Revision Association, is highly credited since it gives printed outputs that enable the provider and the buyer to confirm directly at the scene to ensure the correct measured value. The flowmeter measures up to one decimal point in *kg* or *l* unit.

Measuring the tank lorry itself containing liquid gas allows a measurement with an error of +/- 2.0% due to physical factors, such as wind. In contrast, the cryogenic flowmeter can reduce the measuring error up to +/- 0.5%.

The cost of measuring a tank lorry by measuring the weight difference between the loaded tank and the unloaded tank after it is used is approximately 8000~12,000 won (KRW). The cost per month of measuring 3 tank lorries in the one of the gas charging companies is about 1~1.2 million won (KRW).

One of the *KCC* representatives said, "The tank lorries that the cryogenic flowmeter can be applied to which carry liquid gas such as O□, N□, Ar, CO□, N□O, H□, LNG, etc., are about 500, and the storage tanks are about 3,000 operating throughout the nation." *KCC* concluded that there is enough marketability, they are planning to open a seminar this coming Nov. 17th.

If the industrial gas charging companies install these cryogenic flowmeters to their storage tanks, it is possible to redeem the investment cost within a year and it makes it very convenient to manage the gas amount that comes in and out, saving time and labor costs.

In the United Sates, cryogenic flowmeters are used for the gas measuring and products by *Sponsler* have about 70% market share.

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