

Processing Talk 'i-Mon' release for the 28<sup>th</sup> March 2007

### **FLOW-MON LTD LAUNCH 'I-MON' FLOW MONITORING SYSTEM**

Flow Mon Ltd – one of the UK's leading manufacturer of fluid Flow Monitors – has launched the 'i-Mon' (intelligent monitoring) flow monitoring system. 'i-Mon' units can be fitted to Flow-Mon's existing range of flow indicators to measure fluid flow in pipes (between ¼ inch – 8 inch) and produce 4..20mA electrical signals proportional to fluid flow.

'i-Mon' uses state of the art, non-contact position sensing technology to measure flow and store the critical flow calibration data for each unit. The special high stability sensors measure over 1000 points over the full range and maintain repeatability ratings (<0.02%) over the full temperature range of -45°C to 85°C.

Nathan Smith, Flow-Mon's Managing Director says "The idea behind i-Mon is the same idea behind the IPOD: mechanical components and systems are replaced with much more reliable and functionality rich software and electronics. This gives us much greater measurement performance and the opportunity to add value to our products."

Initial launch units have already been shipped to USA, Italy and South Africa.

Christian Freeman, Flow-Mon's Commercial Manager says "we're absolutely delighted with the initial feedback from the market and what's clear is that our customers are keen to get away from the old-fashioned potentiometer systems that are still being pushed by some other companies."

#### **Feature and Benefits:**

**Non Contact** – unlike other products, i-Mon's measurement principle has no wear problems or electrical contacts going wrong. This is especially important for pulsating flow which may cause some parts of potentiometer systems to wear out and require periodic replacement.

**No friction** – because 'i-Mon' is non-contact this means that there are no sticktion or frictional loading problems from the measurement system to effect measurement at low flow.

**Absolute measurement** – no problem if power is disconnected and reconnected.

**Robust construction** – long life without problems! Unlike competing products, even if the 'i-Mon' gets dusty, dirty or even temporarily wet, 'i-Mon' will continue to operate reliably.

**Reduced Historysis.**

**Smart** – one time factory calibration stored in electronic memory.

**Accurate** - >1000 measurement points over full-scale deflection.

**High resolution measurement** – sensor can indicate changes in flow before the eye can.

**Reverse polarity protection** – easy electrical installation.

For further information on the – 'i-Mon' release, technical data and other Flow-Mon products please contact us through our website at [www.flow-mon.com](http://www.flow-mon.com)