

MeasurIT Technologies Ltd. are pleased to introduce you to our technical product update.

Yours sincerely,  
Zoe Williams, zoe@measurIT.com

### Quick Flow Control in Harsh Conditions FLUXUS F601 Portable Flow Meter

#### Measuring Tasks

Practically all potable water supply facilities face the challenge of measuring the flow of a river, a lake or others sources of water. Bad quality of pipes, water, hard mounting conditions, the necessity to send flow information on long distances in order to minimize the pump influence on the flow profile, influence of electromagnetic interferences on transmission cable: all of these factors exerts a negative influence on the accuracy of the flow measurement. A control of permanently installed flowmeters is thus a necessity in the case of measurement under harsh conditions.



#### Solution

A portable clamp-on ultrasonic flowmeter is the ideal solution for this measuring task. It can be installed without process interruption and without any additional insert in pipe. Mounting the transducers takes 30 minutes if the measuring point is not prepared, and only 5-10 min when it is. The possibility of storing the measuring results allows the comparison with the permanent meters and makes it possible to judge of the functionality of the latter. The condition of the pipe inner surface at a measuring point can be evaluated by controlling such parameters as the amplitude, quality and transit time of the signal from time to time.



At first glance, FLUXUS portable flow meter is a handy device with a modern design. But it is not its pleasing form that makes this instrument so unique. The F601 is yet another proof of the old adage: the inner values count. Many improvements are hidden - for example the HybridTrek measuring mode and the significantly advanced correction algorithms for pipe wall echoes, as well as errors in transducer positioning, for exact and reliable measuring under difficult conditions.

The designers of the F601 thought of everything, from handles to the long-life battery, from the practical QuickFix mounting system to the two Enter

### ACCUTRAK Level Transmitters

K-TEK transmitters are used extensively around the world to accurately measure level in process vessels. High accuracy and no maintenance are two of the most common reasons for choosing this technology. With ratings to 427 deg C and 207 bar, they are suitable for almost any application.

Read more at [www.measurIT.com](http://www.measurIT.com)



### Rubber Expansion Joints

Bank One Stadium, home to the Arizona Diamondbacks Major League Baseball Team, is the newest and one of the most advanced stadiums in the U.S.

In the heat of the Arizona sun however, the roof will be kept closed and a massive air conditioning system will be used to cool the building. The massive volume of flow, combined with high pressures and temperature swings, places incredible demands upon the piping system.

To handle these difficult conditions, Rob Zellinger from University Mechanical turned to Redflex line of expansion joints. [read more..](#)

### Our Products

- Valves:**  
 Water Control Valves - **SINGER**  
 Pinch Valves  
 All-Rubber Check Valves - **TIDEFLEX**  
 Tideflex Mixing Systems  
 Tideflex Effluent Diffusers  
[new items](#) Waterflex Check Valves  
 Flow Regulators  
 Expansion Joints

- Sensors:**  
 Oil Spill Detectors - **OilSpy**  
 Flow Conditioners - **VORTAB**  
[new items](#) Flow Meters  
 Flow Switches  
 Pressure & Temperature Switches  
 Pressure Sensors  
 Level Gauges, Switches & Transmitters  
 pH Sensors  
 Suspended Solids & Turbidity Sensors  
 Humidity & Lux Monitoring

Do you have any comments or questions?  
Please share them with us 

keys which enable the user to also operate the [F601](#) with the left hand. The Li-ion battery allows at least 14 hours of flow measurement without mains power. To enable optimal planning of measuring tasks, the remaining battery capacity is shown on the display of the [F601](#).

During the development of [FLUXUS F601](#), functionality and the requirements of the user were the main focal points. Mirko Blumke, Product Manager Flow at FLEXIM says: We have one thing in common with our products - **We are good listeners**.

[Here you will find other types of Ultrasonic Flow Meters and their applications.](#)