Case Study



AVFM-II in Manholes

Flow Monitoring in Denmark Municipal Sewage Collection System



Sensor and Mounting Band installation in egg-shaped pipe

This AVFM-II Area-Velocity Flow Meter is installed to monitor and transmit flow readings to a municipal Sewage Treatment Plant.

The AVFM-II is used (instead of a Stingray) because 4-20mA or 0-5V outputs are required to transmit readings through an RF transmitter to a receiver and "Wingraph" software running at the treatment plant. Data is transmitted every 15 minutes.



AVFM-II Electronics, Battery and RF Transmitter are installed in the manhole

Teletronic Denmark designed a stainless steel mounting bracket suspended just below the manhole cover. AVFM-II electronics, battery and radio transmitter are wrapped in heavy plastic bags to protect from street runoff water.



Close the manhole and drive away.

Periodically the 12VDC battery is replaced with a charged one.

Photos courtesy of Teletronic Denmark

Micronics Limited. Knaves Beech Business Centre, Davies Way, Loudwater, High Wycombe, Buckinghamshire, United Kingdom, HP10-9QR. **Telephone:** +44 (0) 1628 810456 **Facsimilie:** +44 (0) 1628 531540 **E-mail:** sales@micronicsltd.co.uk **Web-site:** www.micronicsltd.co.uk