

## 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*