

### Instruments

The Digiflow FlowX3 line includes a complete range of paddle wheel flow sensors, instruments and sensor installation fittings. Also included are insertion type electromagnetic flow transmitters.

FlowX3 products provide high quality and state-of-the-art technology. All products are manufactured under ISO 9001:2000 and conform to the highest CE standards.

Chemline backs the FlowX3 line with service and support.

- Expert technical assistance
- After sales service
- Customer training
- Fast deliveries from Chemline's inventory

#### High Accuracy

± 0.75% of full scale with standard K factor  
± 1% of reading value with field calibration

#### Excellent Low Flow Measurement

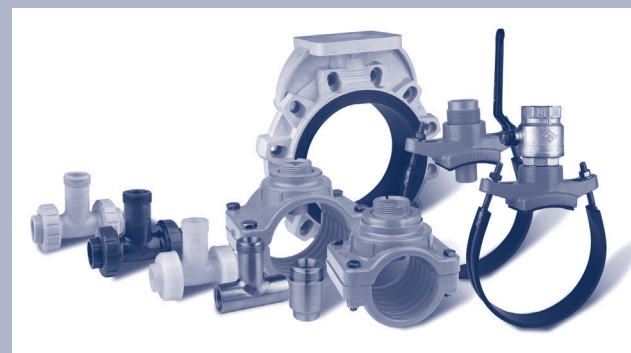
Accurately measures flow velocities down to 0.15 m/s (0.5 ft./sec.)

#### Large Flow Velocity Range

The frequency output is linearly proportional to flow rate from 0.15 to 8 m/s (0.5 to 25 ft./sec.).  
Approximately 45 Hz/m/s.

#### Easily Installed into all Types and Sizes of Piping

Sensor installation fittings are available in a large selection of types, materials and pipe sizes up to 24" and larger.



#### Up-to-Date Electronics – Many Outputs

Digiflow FlowX3 instruments were first introduced in 2003. The line of instruments has since expanded. A large offering of control outputs includes 4 to 20 mA, open collector (pulse) and relays. All units have 3 line LCD displays and LEDs for indication of output status.

#### Modular Design – 1/4 DIN Size

Only with Digiflow FlowX3 can the same instrument be mounted in 3 different ways: directly to the flow sensor, or remotely in a panel or wall mounted. *Less inventory is required.*



### Sensors

#### Designed for Corrosive and "Dirty" Services

FlowX3 paddle wheel flow meters are of corrosion resistant solid plastic construction. They are recommended for services with up to 10% solids\*. Bearings and sensor body near the rotor are designed to be self-cleaning and small magnets in the rotor blade lessen the chance of fouling due to accumulation of magnetic particles in the process.

#### A Selection of Plastic or Metal Sensor Materials

The standard thermoplastic flow sensors of CPVC or PVDF are compatible with a wide range of plastic piping materials. They are now available in brass and 316L stainless steel allowing application in metal piping systems, or fluids at higher temperatures. Low flow sensors are available in PP, POM, ECTFE (Halar®) and 316L stainless steel.

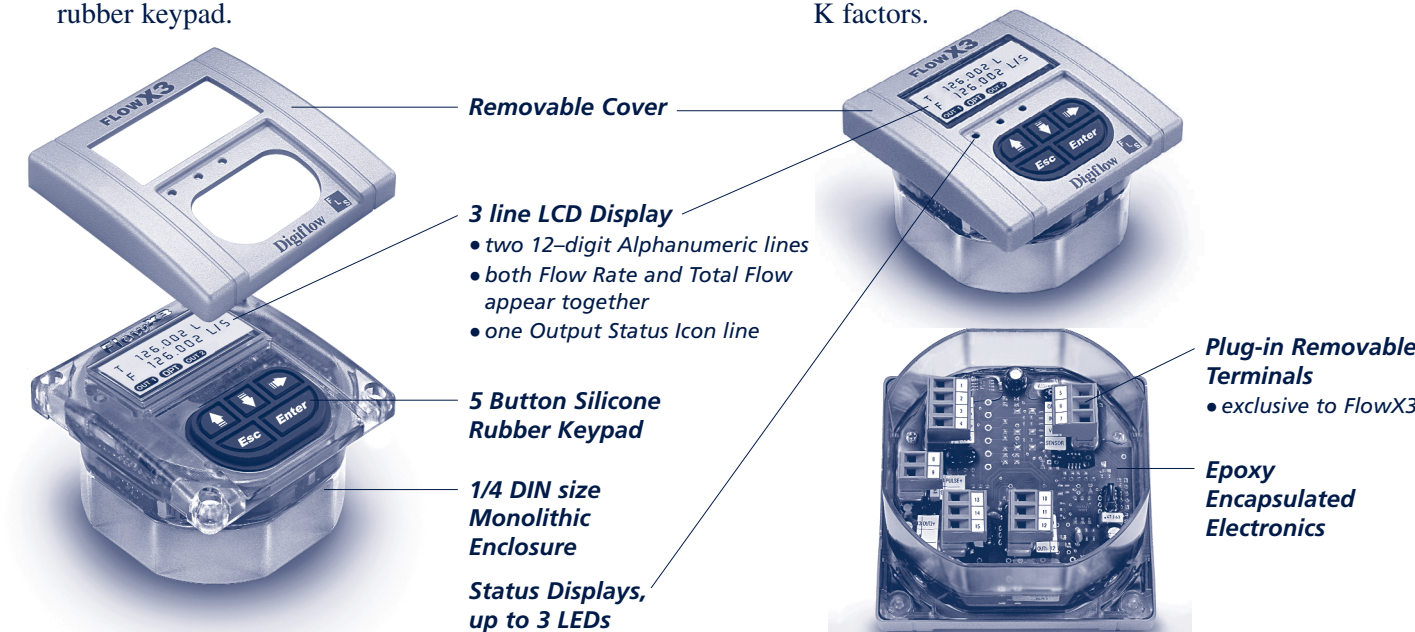
#### Submersible Sensors Available

NEMA 6, 6P (IP68) models are available for outdoor or submersible installations.

\* Particle size not exceeding 0.5 mm cross section or length.

#### Designed for Heavy Duty Industrial Applications

Instruments have a NEMA 4, 4X monolithic clear polycarbonate enclosure in 1/4 DIN size, epoxy encapsulated electronics and a 5 button silicone rubber keypad.



#### Easy Set-up

Setting up the instrument is easy using the keypad and self-explanatory menus. *Plug-in terminals* make instrument connection and removal easy. *Auto calibration* provides automatic calculation of K factors.

#### Long Service Life

FlowX3 have a *ceramic rotor shaft and bearings*. On aggressive chemicals and services containing grit, FlowX3 sensors have outlasted other types with metal shafts and no bearings.

