

FC200-S Sewer Flow Monitor

Measure and Totalize Flows in Sewer Systems



- Digital LCD screen
- Easy to use interface with user selectable flow tables
- Highly accurate depth probe
- Output signal for recorders or displays
- Sampler triggering output
- Water resistant enclosure
- Great for inflow and infiltration studies

Digital Flow Computer

The Global Sewer Flow Monitor has powerful internal electronic circuitry that calculates and totalizes sanitary sewer flow. The user chooses the desired engineering units and selects a VCP sanitary sewer pipe table from a list of over 20 pre-defined pipe tables. It is not necessary to open the enclosure to program the unit. All entries are made using the four front panel push buttons.

Specifications

Input: 4-20 mA from provided Water Level Pressure Transducer
Output: Isolated 4-20 mA proportional to flow, scalable pulse output proportional to flow for sampler triggering.

Display: 6 digit, LCD

Accuracy: Pressure transducer: $\pm 0.2\%$ FS, Flow Monitor: $\pm 0.01\%$ + the depth-flow-table error

Flow Units: CFS, GPM, m3s, MGD

Totalizer: Related to Flow Units

Enclosure: NEMA 4X (IP67)

Power: 120 VAC to 240 VAC

Pre-defined VCP Sanitary Sewer Pipe tables:

Roughness Factor: 0.014

Pipe Diameter: 6", 8", 12"

Pipe Slope: 1/2%, 1%, 1-1/2%, 2%, 3%, 4%, 6%, and 8%

Custom tables available. Please contact Global Water.

NOTE: Neither backed up nor pumped sewer systems will provide accurate flow measurements.

Options and Accessories

FC200-S Sewer Flow Monitor

Includes 0-3' depth sensor or 25' of cable

Battery option

Includes Heavy Duty Environmental Enclosure

Regional Distributor

Description

The Global Sewer Flow Monitor is reliable and accurate for measuring and totalizing sanitary sewer system flows for VCP pipe. The sewer flow meter measures water depth with the highly accurate Global Water pressure transducer. The electronic circuitry instantly calculates and displays sewer system's flow and total flow values for any depth-to-flow relationship in any engineering units. The sewer flow meter is easily set up in the field using its unique four-button programming system.

Display and Outputs

The sewer flow monitor displays flow rate on a large 6-digit LCD screen. The totalized output is shown on a second LCD display. The display reads in user-defined units of flow, including MGD, CFS, GPM, m3s. The sewer flow monitor also produces an analog 4-20 mA output signal that is proportional to flow. This can be used for chart recorders, dataloggers, or as an input to telemetry or process control systems. In addition, the sewer flow rate meter has a flow-proportional output signal for triggering water samplers.

Contact
Global Water
for all your
instrumentation
needs:

Water Level

Water Flow

Water Samplers

Water Quality

Weather

Remote Monitoring

Control



Global Water

The Leader in Water Instrumentation

803, Riqqa Palace Building
 Al-Maktum Ave. opposite Deira Etisalat
 P.O.Box 181802 Dubai, UAE
 Tel: +9714 - 2270081
 Fax: +9714 - 2239962
 E-mail: rcsco@eim.ae
www.rcs-co.com

RS
Rabbit Control Systems
 Automation & Control Engineering