

Krohne FLEXMAG 4050C

By HPNE

The first electromagnetic flow sensor to feature a gamma-stable and autoclave stable flow tube



Created to measure the flow of electrically conductive liquids, the FLEXMAG 4050C provides high accuracy and is designed to have no hold-up volume. It consists of 3 parts... the transmitter, the gamma stable and autoclave stable flow tube, and the monitor.

The biocompatible and gamma sterilized disposable flow tube is produced in a cleanroom facility and features a single barb fitting that meets biopharmaceutical requirements for adaptation to single-use systems. Each tube is factory calibrated allowing for a quick and simple exchange without the need to recalibrate.

Features

- Transmitter and flow tube are factory calibrated and do not require in-situ calibration
- Disposable single use flow tube (packed in double sealed individual pouches)
- Full bore flow path/low pressure drop
- Factory calibrated - no recalibration needed
- Flow tube is gamma stable up to 50 kGy and autoclave stable up to 120°C
- Available flow tube sizes are,
 - transmitter ¼"
 - ¼" ID: 0.015 l/min to 3 l/min*
 - transmitter ⅜" – ½"
 - ⅜" ID: 0.07 l/min to 14 l/min*
 - ½" ID: 0.1 l/min to 20 l/min*
 - transmitter ¾" – 1"
 - ¾" ID: 0.3 l/min to 62 l/min*
 - 1" ID: 0.5 l/min to 75 l/min*

Benefits

- Highly accurate flow measurement with outstanding repeatability
- Accuracy is 1% of measured value
- Flow path minimizes hold up volume
- Wetted parts materials made from biocompatible material (FDA, USP VI, BSE/TSE)
- No maintenance required



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