

Parker Product Datasheet



SciLog® SciCon pre-calibrated single-use conductivity sensors are available in 5 sizes, pre-programmed and barcoded with a unique ID for full traceability and easy data collection. Calibration and identity data are stored on the sensor's chip.

PART NUMBER: 080-594PSX-5
CONNECTION TYPE: 3/8" Barb
PRODUCT TYPE: Single-Use Sensor
MAXIMUM FLOW RATE: 8 LPM
TUBE SIZE RANGE: ID 0.31" to 0.38"

PRODUCT OVERVIEW

The SciLog® SciCon combines temperature and conductivity sensing capabilities in a compact, single-use package. Each sensor is pre-programmed with a unique ID for easy traceability and data documentation when combined with the SciLog® SciDoc software. Factory calibration data is also stored on each sensor's chip for out-of-box plug and play use.

Features & Benefits

- Each sensor is pre-calibrated and has a unique sensor ID making it NIST traceable and suitable for single-use GMP applications
- Validated for exposure to gamma irradiation, autoclave and sodium hydroxide sterilization
- Available in 5 different sizes for full scalability throughout process development

SciCon conductivity sensors can increase the efficiency of downstream purification operations such as diafiltration and chromatography through accurate measurement of conductivity parameters. Measuring conductivity allows operators to monitor the progress of diafiltrations indicating when a target process stream conductivity has been met. Similarly, the conductivity of the solution also gives an indication of the progress of ion exchange or hydrophobic interaction chromatography steps.

In addition conductivity measurement provides a quantified review of filters being equilibrated prior to performing filtration, ensuring the readiness of the filter media as well as minimizing the quantity of buffer required during the flushing and equilibration process.

TECH SPECIFICATIONS

DIVISION	Bioscience and Water Filtration Division
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INDUSTRY	Pharmaceuticals
SPECIFICATIONS MET	FDA 21 CFR 177.1520
SPECIFICATIONS MET	USP Class VI
CONNECTION TYPE	3/8" Barb
APPLICATION	Conductivity Sensing
BRAND	Parker
PRODUCT SERIES	SciCon Conductivity Sensors
PRODUCT TYPE	Single-Use Sensors and Monitors
MATERIALS OF CONSTRUCTION	Medical Grade Polysulfone
WETTED MATERIAL	Animal-Free Compounds
ACCURACY	High Range: 10 to 200 mS range (± 0.25 mS accuracy)
ACCURACY	Low Range: 0 to 100 µS range (± 3 µS accuracy)
OPTIONS	Non-Gamma-Irradiated