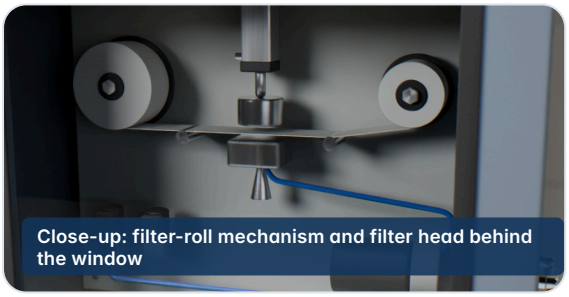
PRODUCT DATASHEET

Silton 4950 Pro Automatic SDI Analyser

Unattended online SDI to ASTM D4189 with automatic filter-roll change

Product page





Close-up: filter-roll mechanism and filter head behind the window

OVERVIEW

The Tech Inc. Silton 4950 Pro Automatic SDI Analyser measures the silt density index (SDI) of RO and NF feed water to ASTM D4189 without an operator at the instrument.

TYPICAL DESIGN DATA

Standard	ASTM D4189 (SDI-5, SDI-10 and SDI-15)
Range	SDI-15 0 to 6.67; SDI-10 0 to 10; SDI-5 0 to 20; resolution 0.01
Filter	Roll, 0.45 µm, 47 mm test area; changed automatically after each test
Test conditions	2.07 bar (30 psi); 100 or 500 mL; 5, 10 or 15 minute interval
Sample inlet	Up to about 8 bar; built-in diaphragm booster pump (about 1.6 L/min) for low-pressure lines; 3/8" BSP
Outputs	4–20 mA (isolated, loop powered, 500 Ω max.) with HART; RS-485 Modbus RTU; volt-free SDI-high contact
Wetted parts	AISI 304 and PU; 316L on request

MODELS AND CAPACITIES

- **Silton 4950 Pro** – automatic filter-roll change, one channel (two optional), AISI 304 wetted parts, 4–20 mA with HART and RS-485 Modbus RTU
- **Silton 4950 Pro Max** – seawater build: two channels, 316L wetted metallics, EPDM or fluoroelastomer seals, GRP cabinet
- **Silton 4950 PRO-E** – as the Pro, with factory-fitted Ethernet (Modbus TCP) and three relay outputs
- **Silton 4950 Pro Max II** – two channels, non-metallic wetted path with super duplex valve bodies, GRP cabinet

Silton 4950 series. All models run the same automatic ASTM D4189 test.

ORDERING CODE

Example **4950-PRO-1-MS-230**: **PRO** model: PRO, PROE, PMX (Pro Max), PMX2 (Pro Max II); **1** channels: 1 or 2; **MS** cabinet: MS powder-coated steel, GRP glass-reinforced polyester; **230** supply: 230 V 50 Hz; 110 V 60 Hz on request.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual. **Options:** second channel; GRP cabinet; IP65 enclosure.

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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