



## SOLIS® Sensor Flushometer

### SOLIS 8186 TRK-0.5-CP

#### Product description

0.5 gpf, Polished Chrome Finish, Fixture Connection Top Spud, Single Flush, Electrical Override, Solar, Run-on Detector, SOLIS® Exposed Sensor Urinal Run-on Detector Flushometer.

#### Compliances & Certifications



(ADA Compliant\*, IAPMO, cUPC Certified, EPA WaterSense Listed)

#### Code 33700053

##### Finish

 Polished Chrome (CP)

##### Connectivity

IoT - SC Argus® Pro Compatible

##### Downloads

-  Solis 8100 Series Installation Instructions.pdf
-  Sloan Track-on Run-on Detector V700AA Vacuum Breaker Tube - Flushometer Retrofit Installation Instructions.pdf
-  Sloan Track-on Run-on Detector V700AA Vacuum Breaker Tube - Flushometer Retrofit Repair and Maintenance Guide.pdf.pdf
-  Additional Downloads

##### Videos

-  Sloan Track-on Run-on Detector - Flushometer or Vacuum Breaker Retrofit
-  Sloan - Company Overview

Details

- Flush Volume: 0.5 gpf (1.9 lpf)
- Finish: Polished Chrome (CP)
- Power Type: Solar
- Valve: Diaphragm
- Valve Body Material: Semi-red Brass
- Fixture Type: Urinal
- Fixture Connection: Top Spud
- Rough-in Dimension: 11.5" (292mm)
- Spud Coupling: 0.75" (19mm)
- Supply Pipe: 0.75" (19mm)
- Override: Electrical
- Special Features 1: Run-on Detector

Features

- Solar Powered- The sensor assembly is powered by a solar cell.
- PERMEX® Synthetic Rubber Diaphragm with Dual Filtered Fixed
  - Bypass
  - User-friendly, three-second flush delay
  - “Low Battery” Flashing LED
  - Sweat solder adapter with cover tube and cast wall flange with set screw
  - Solar Powered- The sensor assembly is powered by a solar cell that will harvest power from the artificial indoor light (incandescent, fluorescent or LED), and use it as the energy source. The solar cell can provide approximately 100% power with 650 illuminance (lux).
  - Four (4) Size AA Battery Power Source
  - Engineered Metal Cover with replaceable Lens Window
  - Infrared Sensor with Multiple-focused, Lobular Sensing Fields for high and low target detection
  - Fixed metering bypass and no external volume adjustment to ensure water conservation
  - High Copper, low zinc brass castings for dezincification resistance
  - Valve body, Cover, Tailpiece and Control Stop shall be in compliance with ASTM Alloy Classification for Semi-Red Brass
  - Valve shall be in compliance to the applicable sections of ASSE 1037

Recommended specifications

Valve Body, Cover, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Semi-Red Brass. Valve shall be in compliance with the applicable sections of ASSE 1037 and ANSI/ASME 112.19.2.

Electrical specifications

- Arming Delay: 8 seconds

Valve Operating Pressure (Flowing)

15–80 psi (103 – 552 kPa). Specific fixtures may require greater minimum flowing pressure – consult manufacturer requirements.

Battery Specifications

| Usage     | 4-AA Battery Service Life† |        |       |         |
|-----------|----------------------------|--------|-------|---------|
|           | 24 yrs                     | 18 yrs | 9 yrs | 7.2 yrs |
| per month | 500                        | 1,000  | 3,000 | 4,000   |
| per day   | 25                         | 50     | 150   | 200     |

† Service life varies according to actual usage and restroom conditions  
Battery shelf life: Alkaline= ~10 years - Lithium= ~25 years

Warranty

[View Warranty Information](#)

Notes

All information contained within this document subject to change without notice.

\*Compliant with ADA accessibility requirements when installed according to ADA standards.  
WaterSense compliant when used with a 0.5 gpf (1.9 lpf) WaterSense fixture.

Looking for other variations of the SOLIS 8186 TRK product?  
[View the general spec sheet with all options.](#)  
[Find a compatible urinal](#) for this flushometer.  
[Find a compatible water closet](#) for this flushometer.

