



2830

2850.101-X

Features

- Simulates five different values
- Compatible with all Signet Conductivity/Resistivity instruments
- Verifies electronics independent of electrode
- NIST traceable units
- Temperature compensated to 25 °C
- All units ship with NIST traceable certificates

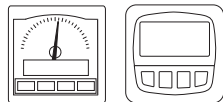
The Signet conductivity/resistivity tools are available for certification or validation of electronics that are independent of the electrode. Because there are no available liquid standards for calibration in low conductivity and resistivity applications, these tools are ideal for various installations. All tools are built to conform to the ASTM D 1125-95 Standard (Standard Test Methods for Electrical Conductivity and Resistivity of Water), which is also commonly used for USP 24 applications.

Signet tools simulate, within $\pm 0.1\%$ precision (accuracy), various values: 1.0 μS , 2.5 μS , 10.0 μS , 10.0 $\text{M}\Omega$, 18.2 $\text{M}\Omega$. These tools also temperature compensated to 25 °C and enable the user to accurately validate or certify the electronics.

Model 2830 can be used with Signet Models 5800CR, 8850, and 8860 instruments. The 2850-101-X simulators are used with the Model 2850 electronics and simply plug into the same terminals as the sensor cables.

System Overview

Signet Instrument
5800CR 8850
8860



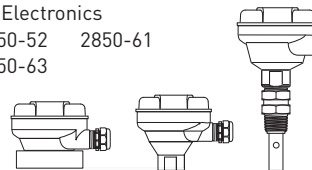
**Signet 2830
Certification Tool**



Signet Instrument
8900
with customer supplied Programmable Logic
Controller



Signet Sensor Electronics
2850-52 2850-52 2850-61
2850-62 2850-63



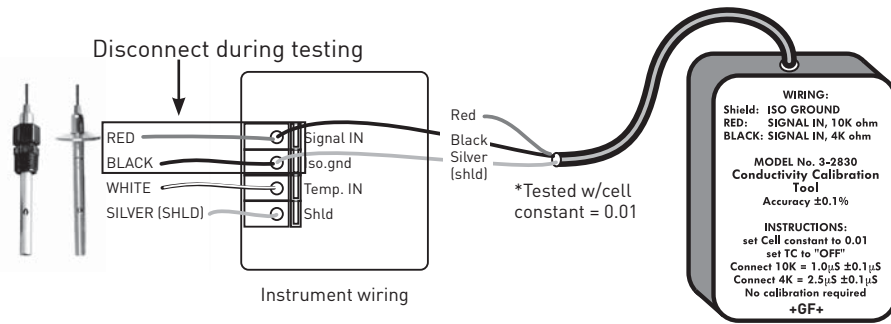
**Signet 2850.101-X
Certification Tool**



All sold separately

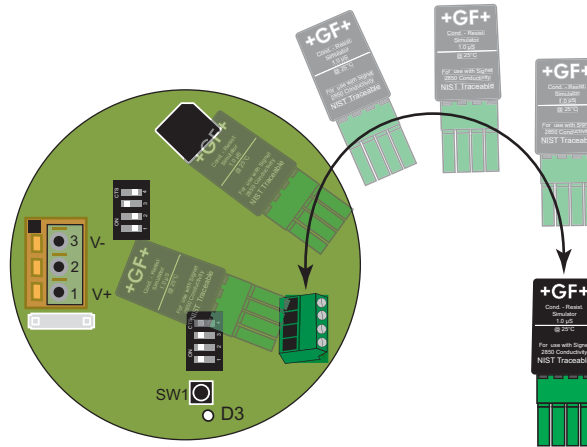
Wiring

2830



2830 Conductivity Certification Tool

3-2850.101-X



Ordering Information

Mfr. Part No.	Code	Description
3-2830	159 000 628	Conductivity Certification Tool, for Signet Models 5800CR, 8850, 8860
3-2850.101-1	159 001 392	Plug-in NIST traceable tool, 1.0 µS simulated for Signet Models 2850-5X, 2850-6X
3-2850.101-2	159 001 393	Plug-in NIST traceable tool, 2.5 µS simulated for Signet Models 2850-5X, 2850-6X
3-2850.101-3	159 001 394	Plug-in NIST traceable tool, 10.0 µS simulated for Signet Models 2850-5X, 2850-6X
3-2850.101-4	159 001 395	Plug-in NIST traceable tool, 18.2 MΩ simulated for Signet Models 2850-5X, 2850-6X
3-2850.101-5	159 001 396	Plug-in NIST traceable tool, 10.0 MΩ simulated for Signet Models 2850-5X, 2850-6X

3-2830.099 Rev B (11/11)

© Georg Fischer Signet LLC

3401 Aerojet Avenue, El Monte, CA 91731-2882 U.S.A. • Tel. (626) 571-2770 • Fax (626) 573-2057 • www.gfsignet.com • e-mail: signet.ps@georgfischer.com
 Specifications subject to change without notice. All rights reserved. All corporate names and trademarks stated herein are the property of their respective companies.