

**SciLog D/N: 3136**

**Release Date: 04/14/09**

**Revision: B**

**Issued By: KGS**

**Title: SciCon Low Conductivity Accuracy Data**

**SciCon Conductivity Sensor: Low Range Accuracy & Precision, 1.9 and 100.3  $\mu\text{S}$ , SciCon Monitor Rev. 0.38.**

**Test Protocol:** Five SciCon Luer sensors were factory calibrated @ 12,88 mS (25°C) and tested with NIST-traceable solutions, 1.92  $\mu\text{S}$  and 100.3  $\mu\text{S}$  (Control Company,Tx) Accuracy and precision levels were determined.

Test Solution			Test Solution				
1.92 $\mu\text{S}$			100.3 $\mu\text{S}$				
SciCon			V. 0.38 Factory Cal @ 12,880 $\mu\text{S}$	SciCon			V. 0.38 Factory Cal @ 12,880 $\mu\text{S}$
Conductivity				Conductivity			
Sensors	Cal	Temp.		Sensors	Cal	Temp.	
P/N: 080-599	Factor	Offset		P/N: 080-599	Factor	Offset	
Luer Connectors	CF	TO		Luer Connectors	CF	TO	
Sensor ID			Measured Conductivity $\mu\text{S/cm}$	Sensor ID			Measured Conductivity $\mu\text{S/cm}$
C1-210474-0309	0.629	0.40	1.9	C1-210474-0309	0.629	0.40	97.3
C1-210475-0309	0.613	-0.20	2.0	C1-210475-0309	0.613	-0.20	98.3
C1-210476-0309	0.618	0.30	2.0	C1-210476-0309	0.618	0.30	98.4
C1-210479-0309	0.626	0.10	2.0	C1-210479-0309	0.626	0.10	97.6
C1-210490-0309	0.625	0.50	2.0	C1-210490-0309	0.625	0.50	100.5
Average:			1.98	Average:			98.42
SD			0.04	SD			1.25
%SD			2.26%	%SD			1.27%