

如何通过 SIPROM TK 操作温度变送器

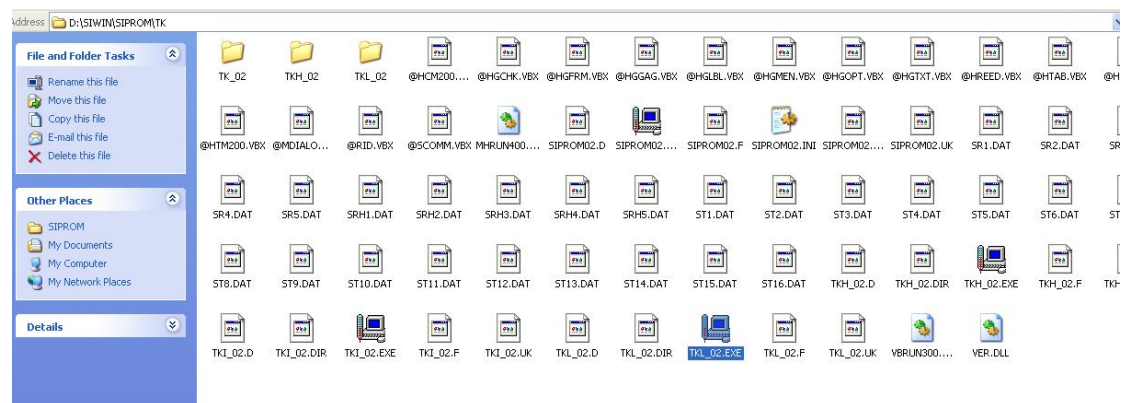
操作所需硬件：带 COM 口的电脑，SITRANS TK，温度变送器



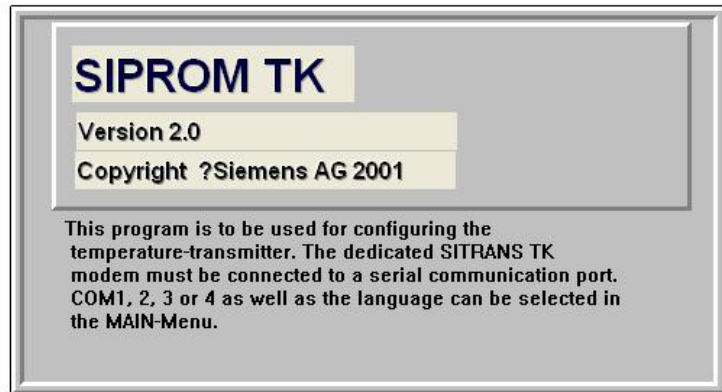
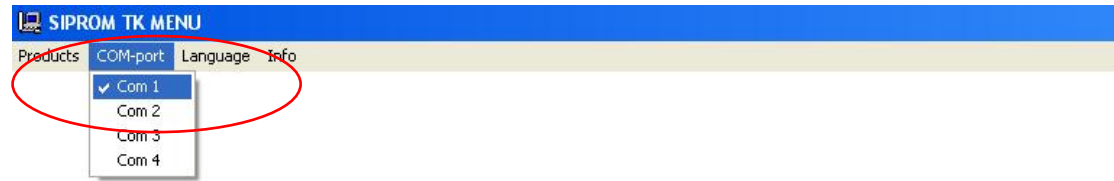
SIPROM TK 硬件图如下



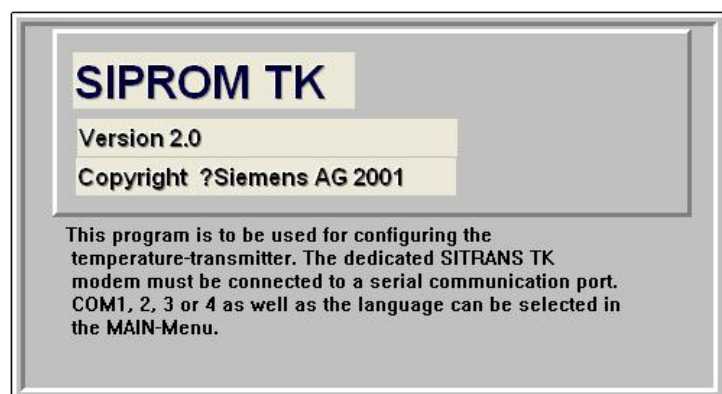
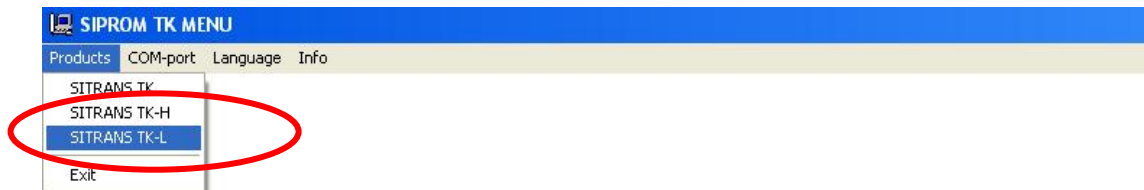
软件包包含内容如下



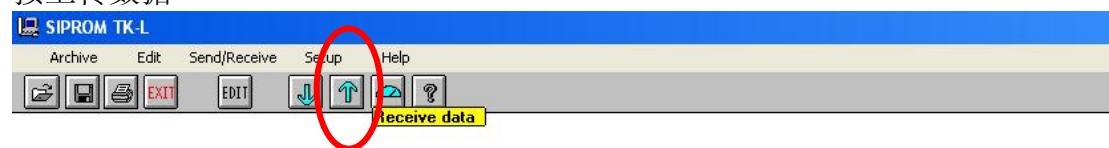
选择 COM 口设置，此 COM 口设置需要与电脑硬件接口设置一样



选择需要调试的温度变送器类型，本例为 SITRANS TK-L



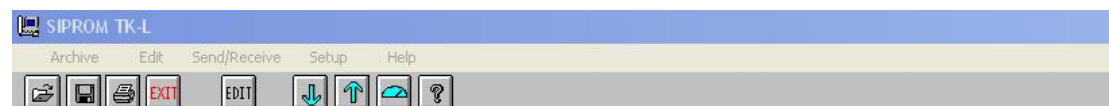
按上传数据



SITRANS TK-L data

Input Pt100 (IEC)		Output	
Temperature at 4 mA	0.0 磅	Outside measuring range	
Temperature at 20 mA	100.0 磅	Lower current limit	3.80 mA
Damping	0 Sec.	Upper current limit	22.00 mA
<u>Connection</u>		<u>Current at sensor breakdown</u>	
2-wire	☐	Up-scale	☒
3-wire	☒	Down-scale	☐
4-wire	☐	Alarm value	23.00 mA
<u>Sensor correction</u>		<u>Product identification</u>	
Sensor offset	0.0 磅	Tag no.	
		Serial no.	
		Date	

上传数据结束后，画面如下。



SITRANS TK-L data

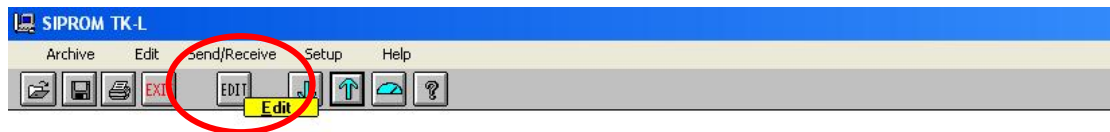
Input Pt100 (IEC)		Output	
Temperature at 4 mA	0.0 磅	Outside measuring range	
Temperature at 20 mA	100.0 磅	Lower current limit	3.80 mA
Damping	0 Sec.	Upper current limit	22.00 mA
<u>Connection</u>		<u>Current at sensor breakdown</u>	
2-wire	☐	Up-scale	☒
3-wire	☒	Down-scale	☐
4-wire	☐	Alarm value	23.00 mA
<u>Sensor correction</u>		<u>Product identification</u>	
Sensor offset	0.0 磅	Tag no.	
		Serial no.	
		Date	

Receiving data

Transmission done !

OK Help

然后选择编辑



SITRANS TK-L data

Input Pt100 (IEC)		Output	
Temperature at 4 mA	0.0 癬	Outside measuring range	
Temperature at 20 mA	100.0 癬	Lower current limit	3.80 mA
Damping	0 Sec.	Upper current limit	22.00 mA
Connection		Current at sensor breakdown	
2-wire	☐	Up-scale	☒
3-wire	☒	Down-scale	☐
4-wire	☐	Alarm value	23.00 mA
Sensor correction		Product identification	
Sensor offset	0.0 癬	Tag no.	
		Serial no.	269784
		Date	6-5-16

进入编辑画面，可以选择电流值所对应的温度。上下限故障电流，接线方式等等。



EDIT data

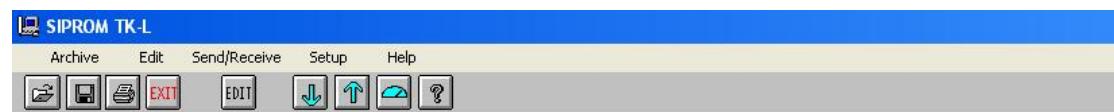
Input Pt100 (IEC)		Output	
Temperature at 4 mA	0.0 癬	Outside measuring range	
Temperature at 20 mA	500 癬	Lower current limit	3.80 mA
Damping	0 Sec.	Upper current limit	22.00 mA
Connection		Current at sensor breakdown	
2-wire	☐	Up-scale	☐
3-wire	☐	Down-scale	☐
4-wire	☐	Alarm value	23.00 mA
Cable compensation for 2-wires		Product identification	
Cable resistance	0.00 Ohm	Tag no.	
Sensor correction			
Sensor offset	0.0 癬		

OK Cancel Help

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<http://www.ad.siemens.com.cn/club>

编辑结束后，选择“OK”



SITRANS TK-L data	
Input Pt100 (IEC)	
Temperature at 4 mA	0.0 癬
Temperature at 20 mA	500.0 癬
Damping	0 Sec.
Connection	
2-wire	☒
3-wire	☐
4-wire	☐
Cable compensation for 2-wires	
Cable resistance	0.00 Ohm
Sensor correction	
Sensor offset	0.0 癬
Output	
Outside measuring range	
Lower current limit	3.80 mA
Upper current limit	22.00 mA
Current at sensor breakdown	
Up-scale	☒
Down-scale	☐
Alarm value	23.00 mA
Product identification	
Tag no.	
Serial no.	269784
Date	6-5-16

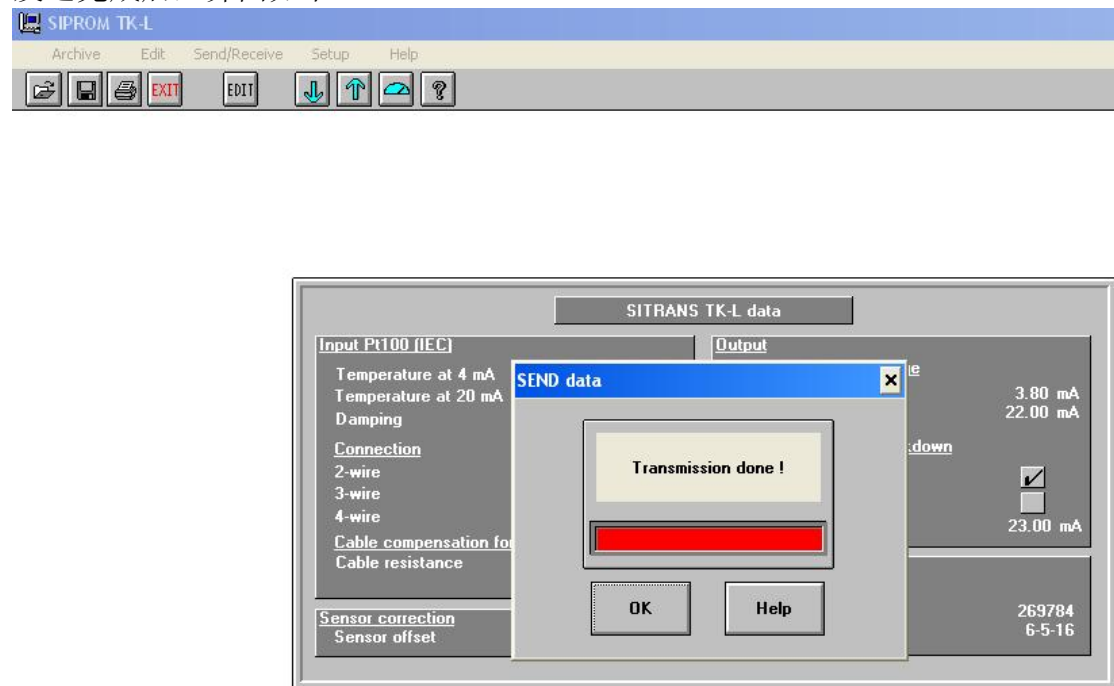
然后选择发送数据



SITRANS TK-L data	
Input Pt100 (IEC)	
Temperature at 4 mA	0.0 癬
Temperature at 20 mA	500.0 癬
Damping	0 Sec.
Connection	
2-wire	☒
3-wire	☐
4-wire	☐
Cable compensation for 2-wires	
Cable resistance	0.00 Ohm
Sensor correction	
Sensor offset	0.0 癬
Output	
Outside measuring range	
Lower current limit	3.80 mA
Upper current limit	22.00 mA
Current at sensor breakdown	
Up-scale	☒
Down-scale	☐
Alarm value	23.00 mA
Product identification	
Tag no.	
Serial no.	269784
Date	6-5-16

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发送完成后，界面如下



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自动化与驱动集团用户园地（技术论坛）
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