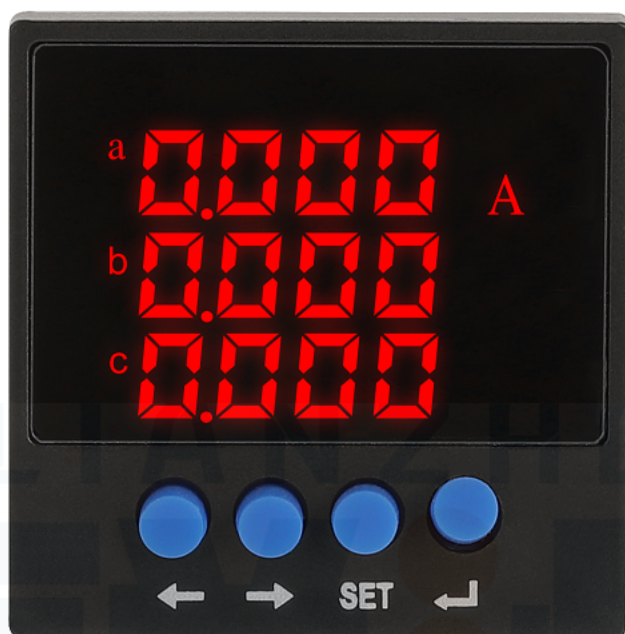


一、概述

TS1941-9X4三相数显电流表是一种可编程智能仪表，采用大规模集成电路和亮度、长寿命更长的LED显示，应用数字采样技术，对三相电气线路中的相电压、线电压进行实时测量、显示和控制，并通过RS485接口或模拟量变送输出接口对被测量电压数据进行远传。



特点

- ◎真有效值测量、整四位LED/LCD显示
- ◎软件调校、内部无电位器(精度高、稳定性好、长期工作免调校)
- ◎可编程通过面板按键任意调节显示值1~9999

◎可选带通讯功能◎可选一路模拟量输出(DC4-20MA/0-20MA/0-5V)

◎可选带上下限报警控制功能◎可选两路开关量输入

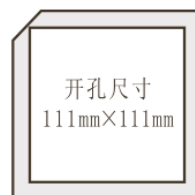
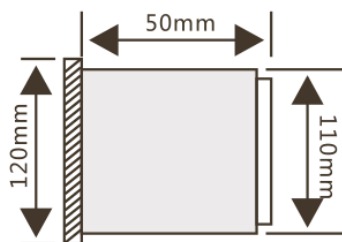
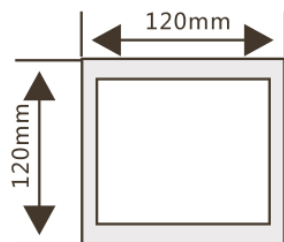
二、技术参数与选型

输入	输入	电压、电流:请根据实际仪表上面的标称值接入
	过载	持续1.2倍, 瞬时:电压2倍/1S 电流10倍/5S
	扩展	配互感器或分流器扩展量程
	过量程显示	当前数据+N*9999
	频率	50Hz±10%
电源	电源	AC220V±10%(45~55Hz)(其它电源订货须说明)
	功耗	<2W
显示	LED	四位三排, 显示数据更新时间: 1S
	显示	9999
精度等级		0.5%
隔离耐压		2KV/50Hz/1min
绝缘电阻		≥100MΩ
平均无故障工作时间		≥50000h
工作条件		环境温度: -25C 55C, 相对湿度≤93%无腐蚀气体场所
海拔高度		≤2500m

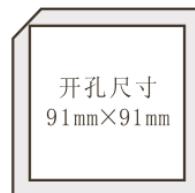
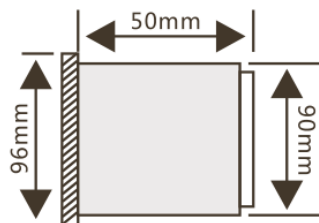
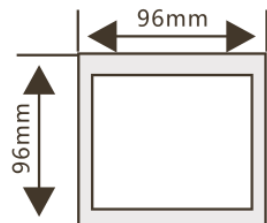
选型表

三、外形及安装尺寸

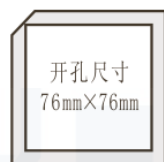
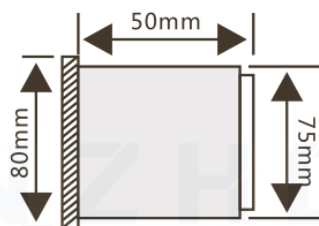
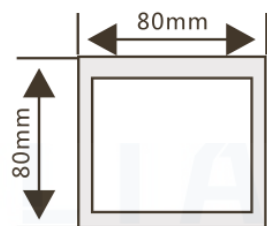
◆ 120mm×120mm



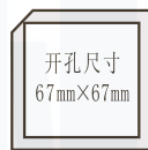
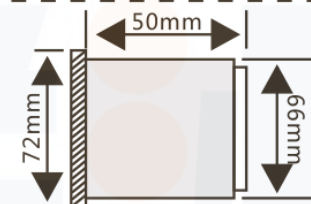
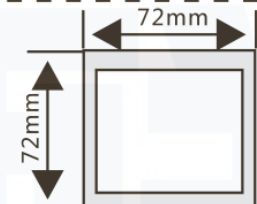
◆ 96mm×96mm



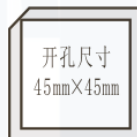
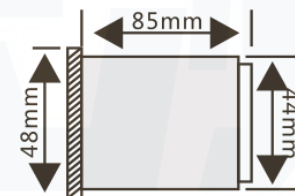
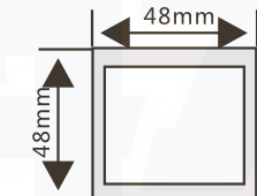
◆ 80mm×80mm



◆ 72mm×72mm

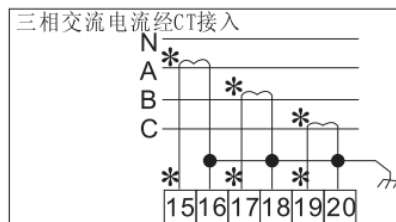
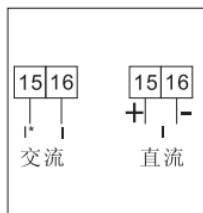
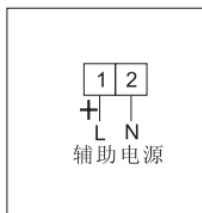


◆ 48mm×48mm

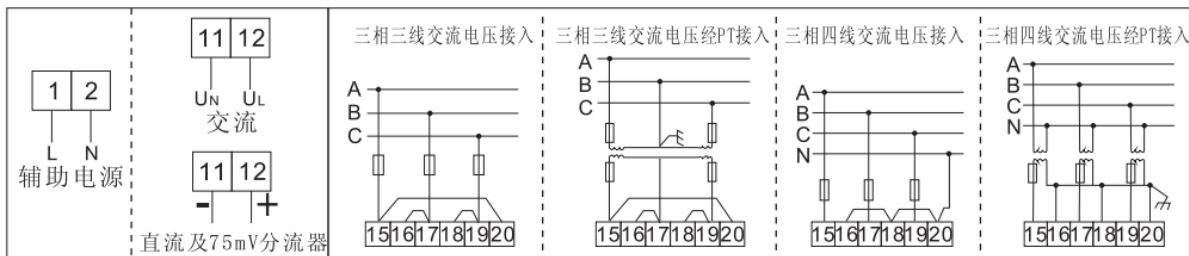


四、接线示意图

◆ 输入电流信号接线



◆ 输入电压信号接线



◆ 扩展功能接线.



五、参数设置流程示意图

Figure 1: Setting menu flowchart. The flowchart illustrates the navigation through various settings menus across three levels (第一级, 第二级, 第三级).

Level 1 (第一级):

- Code (电量显示方式: 0-10)
- SER (设置)
- InPr (输入)
- Conn (通讯)
- do-1 (开关量)
- Ro-1 (模拟量)
- Code (密码)

Level 2 (第二级):

- Code (电量显示方式: 0-10)
- SER (设置)
- InPr (输入)
- Conn (通讯)
- do-1 (开关量)
- Ro-1 (模拟量)
- Code (密码)

Level 3 (第三级):

- Code (电量显示方式: 0-10)
- SER (设置)
- InPr (输入)
- Conn (通讯)
- do-1 (开关量)
- Ro-1 (模拟量)
- Code (密码)

Navigation and Settings:

- Code:** 9999, 0001 (电量显示方式: 0-10)
- SER:** dISP, bLEd, CLrE (按 $\leftarrow$ 电能清零)
- InPr:** nEr, UScL, IScL, f. U, f. I (信号网络, 电压范围, 电流范围, 电压倍率范围: 1-9999, 电流倍率范围: 1-9999)
- Conn:** Sn, bAUd, dAtA, Prof (仪表通讯地址范围: 1-247, 波特率, 协议格式)
- do-1:** 0000, 0129, 1100 (另三路类似)
- Ro-1:** 0000, 0129, 1100 (另三路类似)
- Code:** 0001, n-1, n-2 (密码范围0~9999)

Buttons: Menu, SAVE, YES, $\leftarrow$, $\rightarrow$, $\rightarrow$ (保存退出), $\leftarrow$ (退出无效).