

# 福禄克 F59 红外点温仪产品介绍

## F59 简介

Fluke 59 Mini 数字温度计是电气工程师进行日常电气安装和维护工作的利器。Fluke 59 Mini 红外温度计能够快捷、稳定地测量表面温度。其紧凑小巧的设计方便用户在工业环境下的携带和上手操作。

## F59 功能特点

- 温度量程从- 18°C 至 275°C
- 准确度：读数的±2%或±2°C
- 距离系数比：8:1，90%能量级
- 重复性：读数的±1%或±1°C
- 单点激光瞄准
- 温度读数保持 7 秒
- 背光照明显示屏，适用于昏暗位置

## F59 技术参数

| 技术参数     |   |
|----------|---|
| 测量量程     | - 18°C 至 275°C (0°F 至 525°F)  |
| 准确度      | - 100°C 至 275°C (212°F 至 515°F): ±2%读数<br>- 0°C 至 100°C (32°F 至 212°F): 读数±2°C (3.5°F)<br>低于 0°C (32°F): 读数±3°C (5.5°F) |
| 重复性      | ±1%读数 或±1°C, 取大值  |
| 发射率      | 预设 0.95   |
| 距离系数比:   | 8:1, 90%能量级   |
| 响应时间     | < 500ms   |
| 显示分辨率    | 0.2°C (0.5°F)   |
| 频谱范围     | 6.5 - 18 μm 热电堆探测器  |
| 显示保持 7 秒 | 有   |
| LCD 背景光  | 有   |
| 温度显示     | °C 或°F 可选   |
| 低电量指示    | 有   |
| 工作环境温度   | 0°C 至 50°C (32°F 至 120°F)   |
| 相对湿度     | 10%至 90% RH, 无凝结, 30°C(86°F) 以下时  |

|               |   |
|---------------|---|
| 储存温度          | -20°C 至 65°C (-4°F 至 150°F)，不含电池                                      |
| 电源            | 9V 电池，已含  |
| 电池寿命          | 4 小时  |
| 重量            | 200g，含电池  |
| 尺寸(长 x 宽 x 高) | 152mm x 102mm x 38mm  |
| 标准            | 符合 EN 61326-1 电磁<br>辐射和响应标准<br>EN 61010-1 通用安全标准<br>EN 60825-1 激光安全标准 |
| 认证            | CE、CMC  |
| 质保            | 1 年   |

## F59 标准配置

9V 电池  
使用说明书

## Overview

The Fluke 59 Mini digital thermometer is the perfect product for electricians to do daily electrical installation and maintenance jobs. The Fluke 59 Mini Infrared Thermometer offers quick and reliable surface temperature readings. This compact and portable design enables technicians to easily carry, hold and operate the meter under industrial environment.

## Feature

- Temperature range from - 18°C to 275°C
- Accuracy:  $\pm 2\%$  or  $\pm 2^\circ\text{C}$  of reading
- Distance-to-Spot: 8:1 @ 90% energy
- Repeatability:  $\pm 1\%$  or  $\pm 1^\circ\text{C}$  of reading
- Single point laser sighting
- Holds temperature readings for 7 seconds
- Backlit display for poorly lit areas

## Specification

| Specifications          |  |
|-------------------------|--|
| Measurement Range       | - 18°C to 275°C (0°F to 525°F)   |
| Accuracy                | <b>100°C – 275°C (212°F to 515°F):</b> $\pm 2\%$ of reading<br><b>0°C – 100°C (32°F to 212°F):</b> $\pm 2^\circ\text{C}(3.5^\circ\text{F})$ of reading<br><b>Below 0°F (32°F):</b> $\pm 3^\circ\text{C}(5.5^\circ\text{F})$ of reading |
| Repeatability           | $\pm 1\%$ of reading or $\pm 1^\circ\text{C}$ whichever is greater   |
| Emissivity              | Pre-set 0.95   |
| Distance-to-Spot size   | 8:1 calculated @ 90% energy  |
| Response time           | < 500ms  |
| Display resolution      | 0.2°C (0.5°F)  |
| Spectral range          | 6.5 - 18 um Thermopile detector  |
| Display hold 7 seconds  | Yes  |
| LCD backlight           | Yes  |
| Temperature display     | °C or °F selectable  |
| Low battery indicator   | Yes  |
| Ambient operating range | 0°C – 50°C (32°F to 120°F)   |
| Relative humidity       | 10% – 90% RH non-condensing @ up to 30°C(86°F)   |
| Storage temperature     | -20°C – 65°C(-4°F to 150°F) without battery  |
| Power                   | 9V battery included  |

|                               |   |
|-------------------------------|---|
| <b>Battery life</b>           | 4 hours   |
| <b>Weight</b>                 | 200g, with battery  |
| <b>Dimensions (H x L x W)</b> | 152mm x 102mm x 38mm  |
| <b>Standards</b>              | Conforms to EN 61326-1 Electromagnetic Emissions and Susceptibility<br>EN 61010-1 General Safety<br>EN 60825-1 Laser Safety |
| <b>Certification</b>          | CE, CMC   |
| <b>Warranty</b>               | 1 year  |

## Shipped with

9V battery  
User manual