

SCR

Touch Display

PRODUCT MANUAL

Striving for the Bright Future of Precision Optoelectronic Measurement.

01 Product Functions

The SCR Touch Display is designed to be used in conjunction with SenseFuture TEC temperature controllers, designed as a companion display terminal for our TEC temperature controllers. (All TEC temperature controllers are capable of standalone operation and can be controlled via PC software; this SCR touch display is therefore optional.)



02 Product Features

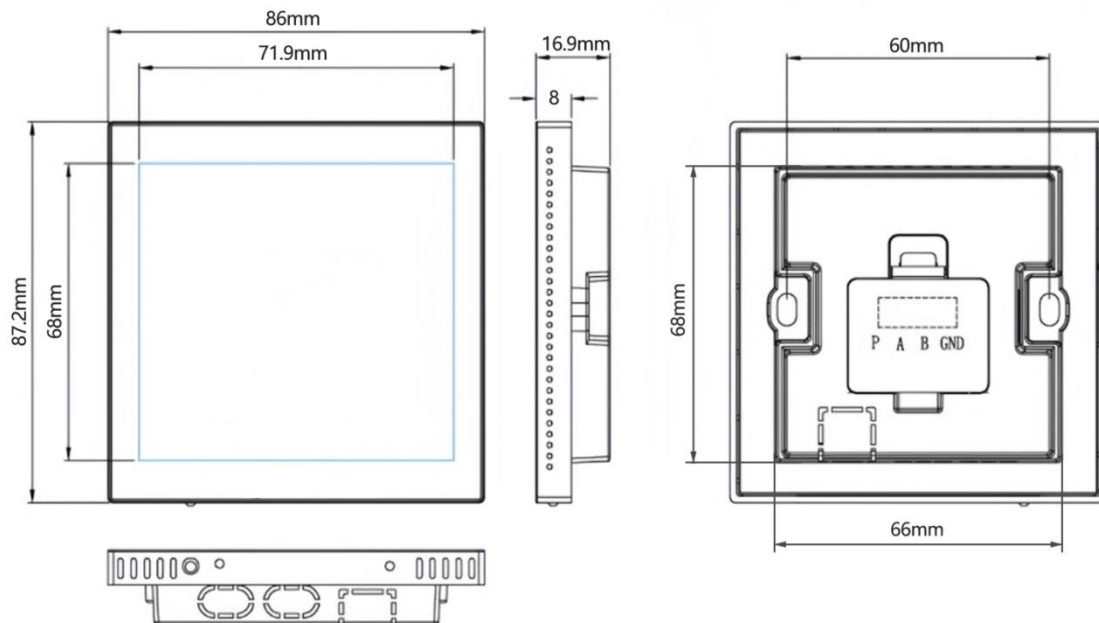
- Compatible with SenseFuture TEC temperature controllers. It can be combined with the controller, mechanical enclosure, power supply, and other components to form a complete temperature control system.
- 4.0-inch IPS LCD, 480×480 resolution, 262K colors (18-bit), wide viewing angle.
- Full-lamination capacitive touch panel with conformal coating for moisture, dust, and corrosion resistance.

03 Specifications

Parameter	Value
Resolution	480 × 480
Color Depth	18-bit (6R6G6B)
Active Display Area	71.9 × 68.0 mm
Display Type	IPS TFT LCD
Touch Screen Type	Capacitive Touch Panel
Touch Screen Structure	G+G (Glass-to-Glass) with tempered glass cover lens
Operating Voltage	6 – 36 VDC
Operating Current	190 mA (VCC = 12V, max brightness) 80 mA (VCC = 12V, backlight off)
Operating Temperature	-10°C ~ +60°C (12V @ 60%RH)

Operating Humidity	10 ~ 90%RH (typical 60%RH)
Interface Connector	4-pin, 2.0mm pitch
Overall Dimensions	86.0 × 87.2 × 16.9 mm
Net Weight	105 g

04 Outline Dimensions



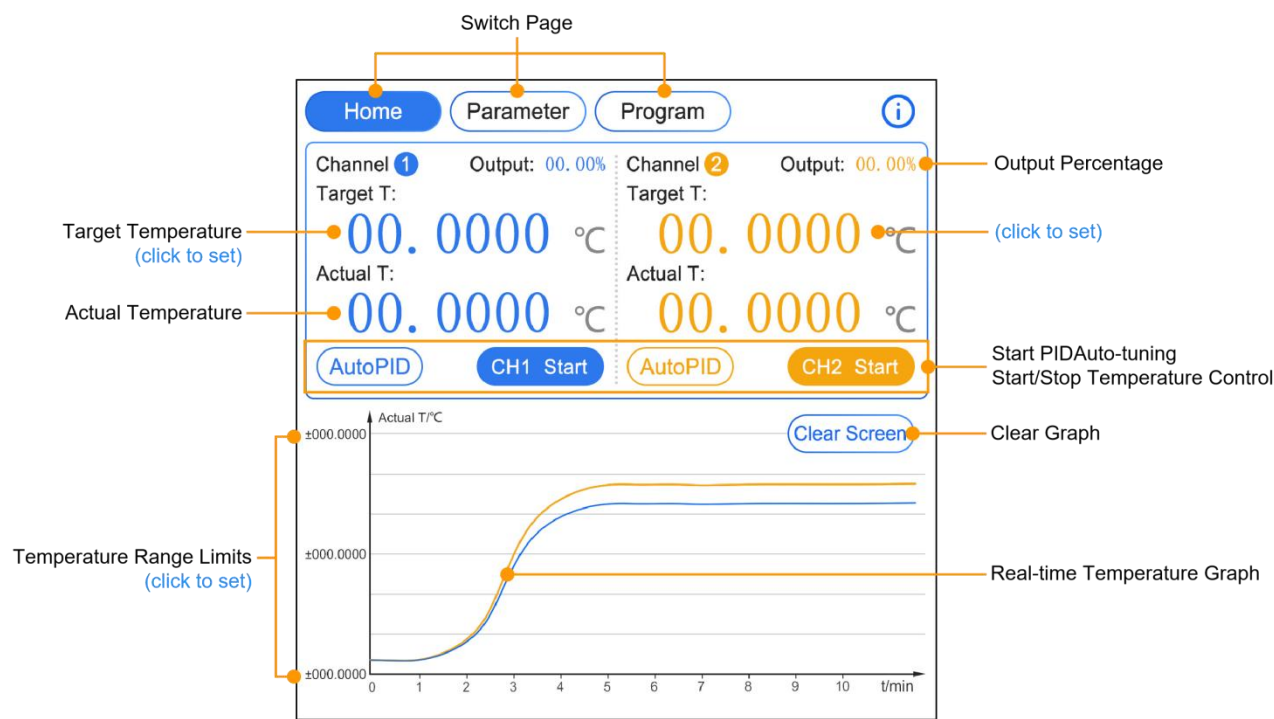
3D model download link: <https://www.sensefuture.com/products/scr-touch-display>

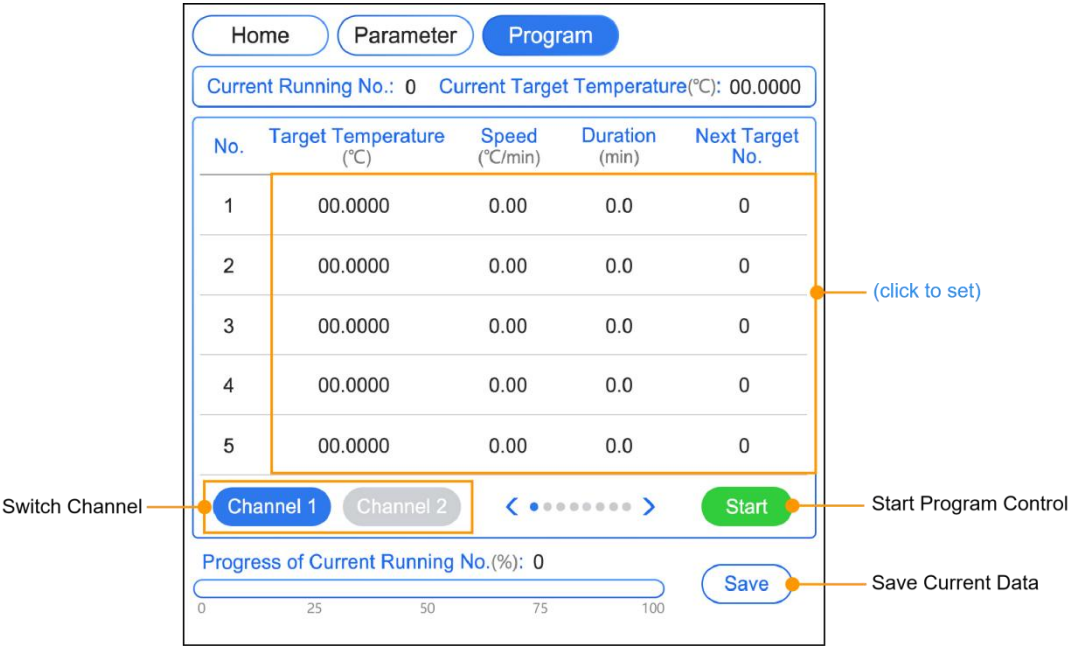
05 Installation Guide

1. Use a flat-head screwdriver to pry the screen bracket from the side and remove it.
2. Drill mounting holes according to the bracket hole layout drawing.
3. Secure the bracket with screws, then snap the display into place.



06 User Interface Guide





Version Change Log

Version	Change description	Change date	Reviewed by
1.0.0	Initial version	2026/7/31	YL、WYR

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**Original Aspiration Shapes the Future;
Innovation Creates Value;
Sharing Brings People Together;**

**We look forward to win-win
cooperation with you!**