

Raychem CV1981 and CV1983 Series ThermoGun Heating Tools

VERSATILE

- Heavy-duty bench or hand held hot air tool
- Intelligent e-Drive operating unit
- Digital temperature indicator (AT models) for easy adjustment to product requirements

CAPABLE

- Wide temperature range: 40°C to +650°C
- Precise temperature control on AT models allows tool temperature to be matched to the heat-shrink product's requirements
- Closed-loop controlled temperature
- Open-loop controlled air volume

SAFE

- Ergonomic handling
- Modern design
- Safety guard



CV1981 and CV1983 Series ThermoGun Heating Tools

ThermoGun heating tools are used for installation of TE heat-shrink products, molded parts, and Solder Sleeve terminations.

CV1981 Series ThermoGun Heating Tool CV1983 Series ThermoGun Heating Tool

Raychem CV1981 and CV1983 Series ThermoGun heating tools from TE are intelligent, robust, double insulated heavy-duty tools. The tools use an internal thermocouple to ensure accurate output temperature.

CV1981 AT model use closed-loop control to ensure that the set value is achieved even while supply voltage varies slightly. The digital display shows set temperature and measured temperature simultaneously. AT models also feature adjustable airflow.

A motor-driven fan forces air through the heating element, which is enclosed in a stainless steel barrel and safety guard. The tool is fitted with power control, to allow for adjustment of output temperature. An integral stand allows the tool to be used as a bench tool.

The heating tool is available in a variety of models and is suited to a wide range of heat-shrink applications. The various PR Series push-on reflectors are easily and quickly attached to the gun.



Specifications

	CV1981	CV1983
Power Consumption	1600 W	2300 W/2400 W/3400 W
Voltage	120 V or 230 V	
Temperatures	40°C to 650°C	
Air Flow (20°C)	240 l/min max.	
Dimensions	Tool: 338 mm L x 90 mm dia. (13.3" L x 3.5" dia.) Handle: 56 mm (2.2" dia.)	
Weight	990 g (2 lb.)	1.3 kg (2.9 lb.)

Ordering Information

Heating Tools

Model	Description	Part No.
CV1981 AT Series (with Controlled Temperature, Adjustable Air Volume, and Digital Display)		
230 V, 1600 W, EU Plug	CV1981-ATPID-230V1600W-EU	EG1106-000
230 V, 1600 W, UK Plug	CV1981-ATPID-230V1600W-UK	EG1108-000
120 V, 1600 W, US Plug	CV1981-ATPID-120V1600W-US	EG1110-000
120 V, 1600 W, CEE Plug	CV1981-ATPID120V1600W-CEE	EG1112-000
CV1981 ST Series†		
230 V, 1600 W, EU Plug	CV1981-ST-230V1600W-EU	EG1114-000
230 V, 1600 W, Swiss Plug	CV1981-ST-230V1600W-CH*	EG1115-000
230 V, 1600 W, UK Plug	CV1981-ST-230V1600W-UK*	EG1116-000
120 V, 1600 W, US Plug	CV1981-ST-120V1600W-US*	EG1118-000
120 V, 1600 W, CEE Plug	CV1981-ST-120V1600W-CEE*	EG1120-000
CV1983 ST Series†		
230 V, 3400 W, EU Plug	CV1983-ST-230V3400W-EU	EG0998-000
230 V, 2300 W, EU Plug	CV1983-ST-230V2300W-EU	EG1100-000
120 V, 2400 W, CEE Plug	CV1983-ST-120V2400W-CEE	EG1102-000
230 V, 3400 W, CEE Plug	CV1983-ST-230V3400W-CEE	EG1104-000

*Note: Refer to TE installation guides and Codes of Practice for appropriate temperature settings.

† ST tooling does not feature digital display.

Accessories and Replacement Parts

Spare/replacement elements for CV1981 and CV1983

Description	Part No.
CV1981-ATSTELEM-230V1600W	EG8165-000
CV1981-ATSTELEM-120V1600W	EG8166-000
CV1983-STELEM-230V3400W	EG8167-000
CV1983-STELEM-230V3400W	EG8168-000
CV1983-STELEM-120V2400W	EG8169-000



Accessories and Replacement Parts (continued)

Spares for CV1981MK2-PID, CV1983M2

Description	Part No.
CV-1981-PID-ELEM-120V	179178-000
CV-1981-PID-ELEM-230V	091282-000
CV-1983-M2-230V-2200W-ELE	D40442-000
CV-1983-M2-230V-3060W-ELE	123906-000

Reflectors

Part	Description	Part No.
AD-1962-CV1648-PR.RFL-ADP	Adaptor to CV1983 for PR Series Reflectors	989172-000
AD-1999-Temp-Meas-Rflt	Temperature Measurement Reflector	932525-000
PR-12-REFLECTOR	For Tubing 6 to 25 mm Dia.	991973-000
PR-13-REFLECTOR	For Tubing up to 6 mm Dia.	991963-000
PR-13C-REFLECTOR	For Tubing 6 - 12 mm Dia.	991974-000
PR-21-REFLECTOR	For Tubing 6 - 25 mm Dia.	991984-000
PR-24-REFLECTOR	For Small Molded Parts and Tubing 25 to 35 mm Dia.	991964-000
PR-24-A-REFLECTOR	For Small Molded Parts and Tubing 35 to 60 mm Dia.	991989-000
PR-25-REFLECTOR	For SolderSleeve Products up to 6 mm Dia.	991965-000
PR-25-D-REFLECTOR	For SolderSleeve Products 6 to 12 mm Dia.	989523-000
PR-26-REFLECTOR	For Miniature SolderSleeve Products and Small Products	991967-000
PR-27-REFLECTOR	Special	997858-000
PR-33-REFLECTOR	For SolderSleeve Products 20 to 27 mm Dia.	997768-000
PR-34-REFLECTOR	For SolderSleeve Products 12 to 20 mm Dia.	989111-000
PR-ATUM-HTAT-16/4-32/8	For HTAT 16/4 - 32/8	463664-000
AD-7-025	Unicure Heat Shield (HS1)	121629-000

Accessories and Replacement Parts

Reflectors	Applications	Description	Part No.
A-160-HG	Up to 19 mm (0.75") Dia. Tubing	TG-12/A-160-HG-RFL-SMALL	991017-000
A-170-HG	19 to 51 mm (0.75" to 2") Dia. Tubing	A-170-HG	991018-000
TG-23	44 to 51 mm (1.75") Dia. Tubing	TG-23/A-205-HG	991026-000
TG-24	Molded Parts	TG-24-RFL-LGE-BOOT	991027-000



A-160-HG Reflector

A-170-HG Reflector

TG-23 Reflector

TG-23 and TG-24 reflectors will fit CV-1981 and CV-1983 heat guns using adaptor part 989172-000 AD-1962-CV1648-PR.RFL-ADP



ROHS Information can be found at the following website: <http://www.te.com/customer-support/product-compliance/>

This product must not be disposed of as municipal waste.