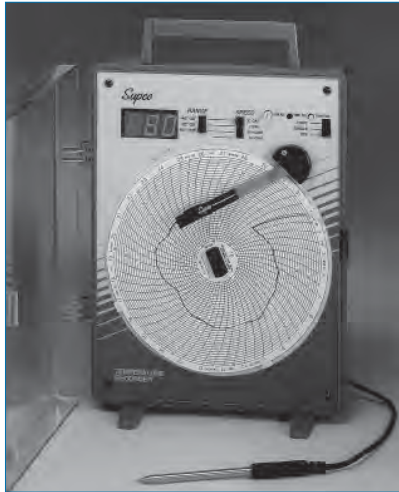


Digital Temperature Chart Recorder

The G-184A Digital Temperature Recorder with remote sensor accurately measures and records temperature in air, gas, liquids, powders, solids and semi-solids.

Two selector switches on the face panel allow for recording of three different temperature ranges at four different recording speeds.



G-184A

- Temperature ranges: -40° to 30°F, -20° to 50°F, 50° to 120°F
- Temperature accuracy: $\pm 2^\circ\text{F}$
- Chart speeds: 6 hr, 24 hr, 7 days, 31 days
- Chart speed accuracy: better than 1%
- Chart dia.: 6 in
- Ambient Operating Relative Humidity: 96% Max
- Remote readings from up to 100 ft (with optional sensor wire). Remote sensor accurately measures and records temperatures in air, gas, liquids, powders, solids and semisolids.
- Programmable speed and temperature ranges

The temperature probe has a 15 ft-long cable with a 4-in long stainless steel submersible tip. 115 V (ac), 50/60 Hz. Battery back-up. Optional adapter for 12 V vehicle operation.

Furnished complete with 2 cartridge pens and sixty assorted 6-in diameter charts.

G-184A Digital Temperature Recorder, Fahrenheit Model 5 lb

Temperature / Humidity Recorder

Temp: -40°F to 130°F $\pm 2^\circ\text{F}$
(-40° to 55°C $\pm 1^\circ\text{C}$)

RH: 0-95% (non-condensing) at 32° to 130°F $\pm 2\%$
(0° to 55°C) ambient



G-183A probe

- Chart dia.: 6 in.
- Front panel touch pad
- Real time data view
- Battery backup
- Field replaceable probes
- Field calibration of probes
- Independent channel alarms
- Temperature and humidity
- Comes with 10 ft Extension Cable, (15 ft total)

G-183A Temp/Humidity 6-in Chart Recorder w/ Ext Cable 5 lb

Laser Infrared Thermometer

The Laser Infrared Thermometer offers precise, non-contact measurement in a lightweight, handheld instrument. With one hand operation, it is ideal for a wide variety of applications.

- 11:1 optics, laser pointer
- Temperature range: -76°F to 932°F (-60°C to 500°C)
- Emissivity: 0.95 adjustable
- Best resolution: 0.1°F
- Accuracy: $\pm 2^\circ\text{F}$ ($\pm 1^\circ\text{C}$)
- K-type thermocouple incl. ; incl. probe: 58°F to 482°F (14°C to 250°C) Accuracy: $\pm 1\%$ of reading or 2°F
- Power supply: 2 AA batteries (incl.)
- Weight: 6.3 ounces (179 g)
- Dimensions: 5.9 x 1.5 x 2.8 in (175 x 39 x 71 mm)



G-16809

G-16809 Laser Infrared Thermometer 2 lb

Surface Thermometers

The Surface Thermometer is designed to measure the surface temperature of curing concrete, fresh laid asphalt and other materials. The thermometer is placed on the material surface. It reaches sensing equilibrium within three minutes with an accuracy of $\pm 2\%$ of full scale range. The Surface Thermometer has a 2-in (5.1 cm) diameter dial and a depth of 1/2 in (1.3 cm).



G-157

Surface Thermometers		
G-155	Surface Thermometer 0° to 250°F, 2° divs.	1.0 lb
G-156	Surface Thermometer -20° to 120°C, 1° divs.	1.0 lb
G-157	Surface Thermometer 0° to 500°F, 5° divs.	1.0 lb
G-158	Surface Thermometer -20° to 250°C, 2° divs.	1.0 lb

Sling Psychrometer

G-140 has tubes recessed in gray metal back, folding swivel handle and boxed with spare wicks and instructions.

G-142 Pocket Sling Psychrometer has self-contained sling-pocket case and slide rule. Range 20° to 120°F. High impact plastic.



G-140

Thermometers:
Two mercury-filled, wet and dry bulb types.

G-140	Sling Psychrometer	1.0 lb
G-142	Pocket Sling Psychrometer	1.0 lb

Maximum - Minimum Thermometer

This thermometer is designed for temperature measurement situations where fluctuations need to be recorded. The thermometer records high and low readings from the last setting. It is provided with a push button reset and a dual scale that measures both °F and °C.

Size: 8¾ in x 2¾ in (22.2 x 7 cm).



G-180

G-180E Digital Max/Min Temperature Recording Thermometer 1.0 lb

Digital Max/Min Thermometer

With dual sensors, the G-18050E is perfect for monitoring job site curing boxes or tanks with one instrument!



G-18050E

- Three day high/low memory for each sensor
- Selectable °F or °C scale
- Range: -40° to +221° F; -40° to 105° C
- Accuracy: +/- 2.0° F; +/- 1° C
- Waterproof probes on 6-ft cable
- Splash-resistant Case
- Velcro kit for mounting

G-18050E Min / Max Thermometer 1 lb

Mercury Spill Kit

Mercury Spill Kit provides a safe and easy way to clean up accidental spills in the laboratory. Comes with instructions, dust pan, scaper, safety glasses, gloves, absorbent sponges, absorbent powder, Ziploc bag.



S-29599

S-29599 Mercury Spill Clean Up Kit

Concrete Reference Thermometer

The Concrete Reference Thermometer is for the calibration of measuring devices used for determining the temperature of freshly-mixed Portland cement concrete. It is mercury filled with a yellow background for easy reading and is 18 in (45.7 cm) long with 30° to 124°F range with 0.2°F divisions. Not dual scale.

Calibration is in accordance with ASTM E 77 for 3-in (7.6 cm) immersion. A NIST traceable certificate of calibration is supplied.

G-18710 Concrete Reference Thermometer 1 lb

Dial Thermometers

Direct reading thermometers with dual Fahrenheit and Celsius scales and external adjustment for recalibration. Made with a stainless steel stem and internal bimetal temperature sensing element. These thermometers will maintain an accuracy of 0.5% when used with the stem immersed over 2 inches (5.1 cm) in the material whose temperature is being measured. The dial is 1¾-in (4.5 cm) diameter and the stem is 8 in (20.3 cm) long.



G-150 series

G-150	Dial Therm. 25° to 125°F w/ 1° divs. and 0° to 50°C w/ 1° divs., plastic face	1 lb
G-151	Dial Therm. 0° to 220°F w/ 2° divs. and -10° to 100°C w/ 1° divs., plastic face	1 lb
G-153	Dial Therm. 50° to 550°F w/ 5° divs. and 10° to 280°C w/ 5° divs., glass face	1 lb

Pocket Dial Thermometer



G-16112

Pocket Dial Thermometer

Designed for field use and spot checking. Made with a stainless steel 5-in (12.7 cm) stem and 1-in (2.5 cm) diameter dial. A pocket case with clip is included.



G-166

Available in five mechanical and one digital version (G-166) with a 0.25 in LCD display. All models come with a pocket carrier.

Pocket Thermometers		
G-160	Dial Pocket Therm. -40° to 160°F w/ 20 divs.	1 lb
G-161	Dial Pocket Therm. 25° to 125°F w/ 1° divs.	1 lb
G-16112	Dial Pocket Therm. 25° to 125°F w/ 1° divs. (box of 12)	3 lb
G-162	Dial Pocket Therm. 0° to 220°F w/ 2° divs.	1 lb
G-163	Dial Pocket Therm. 50° to 550°F w/ 5° divs.	1 lb
G-164	Dial Pocket Therm. -10° to 100°C w/ 1° divs.	1 lb
G-165	Dial Pocket Therm. 0° to 250°C w/ 5° divs.	1 lb
G-166	Digital Pocket Therm. F/C Switch, -40° to 392°F (0.1 div)	1 lb

General Laboratory Thermometers

These single scale, mercury filled, stem type thermometers are designed for general laboratory use. They are made from quality glass capillary tubing, sealed at one end with a thin wall tubular bulb at the other. Numbers, graduations and recommended immersion depths are engraved on all thermometers.



G-170 series

General Laboratory Thermometers		
G-169	Gen. Lab. Therm. -1° to 50°C x 0.1	1.0 lb
G-170	Gen. Lab. Therm. -10° to 110°C	1.0 lb
G-171	Gen. Lab. Therm. -20° to 150°C	1.0 lb
G-173	Gen. Lab. Therm. -10° to 260°C	1.0 lb
G-174	Gen. Lab. Therm. -10° to 400°C	1.0 lb
G-175	Gen. Lab. Therm. -30° to 120°F	1.0 lb
G-176	Gen. Lab. Therm. 0° to 230°F	1.0 lb
G-177	Gen. Lab. Therm. 0° to 300°F	1.0 lb
G-178	Gen. Lab. Therm. 20° to 500°F	1.0 lb
G-179	Gen. Lab. Therm. 20° to 750°F	1.0 lb

Model	G-169	G-170	G-171	G-173	G-174	G-175	G-176	G-177	G-178	G-179
Range:	-1 - 50 °C	-10 - 110 °C	-20 - 150 °C	-10 - 260 °C	-10 - 400 °C	-30 - 120 °F	0 - 230 °F	0 - 300 °F	20 - 500 °F	20 - 750 °F
Sub-Grads:	0.1 °C	1 °C	1 °C	1 °C	2 °C	1 °C	2 °C	2 °C	2 °C	5 °F
Length:	16 in	16 in	16 in	16 in	16 in	16 in	16 in	16 in	16 in	16 in
Weight: (lb)	1	1	1	1	1	1	1	1	1	1

Calibrated Glass Thermometers

Any of DGSi's mercury-filled glass thermometers can be custom calibrated at one or more temperature points. Each calibrated thermometer is furnished with a Calibration Report comparing readings of the thermometer with the respective standard temperature using calibration equipment traceable to the National Institute of Standards and Technology (NIST).

The G-169CAL and G-170CAL models are stocked calibrated thermometers. The G-169CAL, with readability to 0.1°C, is useful for those laboratory procedures near freezing and warm water such as hydrometer analysis, concrete cylinder curing tanks and water baths.

Single Point Calibration of Customer's Thermometers	
G-100CAL	from 0°C to 100°C or 32° to 212°F
G-150CAL	from 101°C to 150°C or 213° to 300°F
G-300CAL	from 151°C to 300°C or 301° to 600°F
G-400CAL	from 301°C to 400°C or 601° to 750°F

Calibrated Glass Thermometers		
	G-169CAL	G-170CAL
Range, °C	-1/51°C	-20/110°C
Divs. °C	0.1°C	1°C
Point Calibration	0, 10, 20, 30, 37, 40 & 50°C	0, 37 & 56°C
Immersion	76 mm	76 mm

Temperature Retention Device

Used for greater accuracy when checking laboratory ovens. Maintains the temperature of the inserted thermometer while oven door is opened. 4-in (105 mm) long x 7/8-in (22.2 mm) thick. Internal diameter: 1/4 in (6.3 mm).



G-17000 (thermometer is additional)

G-17000	Temperature Retention Device	2.0 lb
Related Items		
S-29599	Mercury Spill Clean Up Kit	

Armored Case Concrete Thermometer

ASTM E 1

The Armored Case Concrete Thermometer may be used for temperature measurement of aggregates and concrete. 6 in (15.2 cm) long.



G-15910

G-15910	Armored Case Concrete Thermometer, 0° to 130°F, 2° divisions	1.0 lb
G-15915	Refill for G-15910	

ASTM Thermometers

Manufactured to meet ASTM Standard E 1 in every detail. The glass tubing used conforms to exacting specifications for composition and physical properties. Graduations, numbers and letters are deeply etched into the glass and filled with improved black or red pigments which are unaffected by ordinary solvents.

Note: ASTM Thermometers in ranges other than listed below are available on request.



Thermometer Storage Rack

Minimize risks of breakage or damage with this thermometer storage rack which holds up to 25 thermometers. 5/16-in (7.9 mm) dia. retaining holes. 1/8-in (3.2 mm) drain holes in base plate. Sturdy polyethylene construction.

G-17001 Thermometer Storage Rack 4 lb

G-17001

ASTM Thermometers

Model	Range	Divisions	Approx. Length	Application	ASTM Designation
G-18711	0° to 302 °F	2 °F	12½ in (31.8 cm)	General Use	1 F
G-18712	-20 to 150 °C	1 °C	12½ in (31.8 cm)	General Use	1 C
G-18713	20 to 580 °F	2 °F	15½ in (39.1 cm)	General Use	2 F
G-18714	-5 to 300 °C	1 °C	15½ in (39.1 cm)	General Use	2 C
G-18715	20 to 760 °F	2 °F	16¼ in (41.3 cm)	General Use	3 F
G-18716	-5 to 400 °C	1 °C	16¼ in (41.3 cm)	General Use	3 C
G-18717	30 to 760 °F	2 °F	15¼ in (38.7 cm)	High Distillation	8 F
G-18718	20 to 230 °F	1 °F	11¼ in (28.6 cm)	Pensky-Martens/Low	9 F
G-18719	200 to 700 °F	5 °F	11¼ in (28.6 cm)	Pensky-Martens/Low	10 F
G-18720	20 to 760 °F	5 °F	12½ in (30.8 cm)	Open Flash	11 F
G-18721	-6 to 400 °C	2 °C	12½ in (30.8 cm)	Open Flash	11 C
G-18722	-2 to 300 °C	1 °C	15½ in (38.4 cm)	Low Distillation	7 C
G-18723	-5 to 110 °C	1/2 °C	11¼ in (29.0 cm)	Pensky-Martens/Low	9 C
G-18725	155 to 170 °C	1/2 °C	7 in (15.5 cm)	Loss on Heat	13 C
G-18730	30 to 180 °F	1/2 °F	15½ in (39.7 cm)	Low Softening Point	15 F
G-18731	-2 to 80 °C	1/5 °C	15½ in (39.7 cm)	Low Softening Point	15 C
G-18740	85 to 392 °F	1 °F	15½ in (39.7 cm)	High Softening Point	16 F
G-18741	30 to 200 °C	1/2 °C	10⅞ in (27.6 cm)	High Softening Point	16 C
G-18749	66 to 80 °F	1/5 °F	10⅞ in (27.6 cm)	High Softening Point	17 F
G-18750	19 to 27 °C	1/10 °C	10⅞ in (27.6 cm)	Saybolt Viscosity	17 C
G-18751	94 to 108 °F	1/5 °F	10⅞ in (27.6 cm)	Saybolt Viscosity	18 F
G-18752	34 to 42 °C	1/10 °C	10⅞ in (27.6 cm)	Saybolt Viscosity	18 C
G-18753	120 to 134 °F	1/5 °F	10⅞ in (27.6 cm)	Saybolt Viscosity	19 F
G-18754	49 to 57 °C	1/10 °C	10⅞ in (27.6 cm)	Saybolt Viscosity	19 C
G-18755	134 to 148 °F	1/5 °F	10⅞ in (27.6 cm)	Saybolt Viscosity	20 F
G-18756	57 to 65 °C	1/10 °C	10⅞ in (27.6 cm)	Saybolt Viscosity	20 C
G-18757	174 to 188 °F	1/5 °F	10⅞ in (27.6 cm)	Saybolt Viscosity	21 F
G-18758	79 to 87 °C	1/10 °C	10⅞ in (27.6 cm)	Saybolt Viscosity	21 C
G-18759	204 to 218 °F	1/5 °F	10⅞ in (27.6 cm)	Saybolt Viscosity	22 F
G-18760	137.5 to 142.5 °F	1/10 °F	12 in (30.5 cm)	Kinematic Viscosity	47 F
G-18761	272.5 to 277.5 °F	1/10 °F	12 in (30.5 cm)	Kinematic Viscosity	110 F
G-18762	133.6 to 136.4 °C	1/20 °C	12 in (30.5 cm)	Kinematic Viscosity	110 C
G-18763	18 to 89 °F	1/5 °F	15 in (38.1 cm)	Precision	63 F
G-18764	-8 to 32 °C	1/10 °C	15 in (38.1 cm)	Precision	63 C
G-18765	50 to 80 °C	1/10 °C	15 in (38.1 cm)	Precision	65 C
G-18766	20 to 70 °C	1/5 °C	12 in (30.5 cm)	Stormer Viscosity	49 C
G-18767	95 to 155 °C	1/5 °C	15 in (38.1 cm)	Precision	67 C
G-18768	-18 to 49 °C	1/2 °C	12 in (30.5 cm)	Tank	97 C
G-18769	0 to 120 °F	1 °F	12 in (30.5 cm)	Tank	97 F
G-18770	30 to 350 °F	1 °F	16 in (40.6 cm)	Bituminous Softening Point	113 F
G-18771	-1 to 175 °C	1/2 °C	16 in (40.6 cm)	Bituminous Softening Point	113 C
G-18772	24 to 78 °C	1/5 °C	15½ in (39.5 cm)	Solvents Distillation	38 C
G-18773	203 to 311 °F	1/2 °F	15 in (38.1 cm)	Precision	67 F
G-18774	77 to 131 °F	1/5 °F	15 in (38.1 cm)	Precision	64 F