

Digi-SENSE® Thermistor Flexible Probes



Digi-Sense thermistor probes offer excellent accuracy over the biological temperature range. Probes are accurate to $\pm 0.2^\circ\text{F}$ from 32 to 150°F ($\pm 0.1^\circ\text{C}$ from 0 to 70°C). For tolerances outside this range please see the introduction on page 1986. Electrically isolated probes include a nondetachable 10-ft lead with phone plug (except as noted).

Water-resistant junctions between probe and lead should not be immersed; detachable leads are not water resistant.

Note: Time constant is the time required to reach 63.2% of a new reading. To determine how long it will take to reach 99% of a new reading multiply the time constant by five.

Digi-SENSE®



For compatible instruments, see pages 1986-1989.

Catalog number	Description	Temperature range	Time constant	Price	Dimensions	Photo
C-08491-02	General-purpose probe, immersible for short-term deep-water and sub soil readings. Vinyl sheath and tip. 10-ft lead	-40 to 212°F (-40 to 100°C)	7 seconds			
C-08491-04	Like 0849-02 above, but with 50-ft lead					
C-08491-03	Like 0849-02 above, but with 100-ft lead					
C-08491-05	Small flexible probe, vinyl sheath and tip	-40 to 212°F (-40 to 100°C)	3.2 seconds			
C-08491-06	Liquid-immersion probe $5/32$ " dia, stainless steel (316 SS). Immersible only to cap unless waterproofed.	-40 to 302°F (-40 to 150°C)	3.4 seconds			
C-08491-07	Like 08491-06 above, but with $1/8$ " dia probe		2.5 seconds			
C-08491-13	Liquid-immersion probe, chemically inert for thermometric titrations. Pyrex® glass sheath.	-40 to 302°F (-40 to 150°C)	4.2 seconds			
C-08491-17	Small flexible probe for frozen food packages and cuvettes. Nylon and epoxy tip.	-110 to 212°F (-80 to 100°C)	1.4 seconds			
C-08491-15	Epoxy-encapsulated thermistor element. Maximum intermittent temperature is 212°F (100°C). Copper wire is 32 gauge; 3" long.	-110 to 167°F (-80 to 75°C) at continuous use	1 second in oil; 10 seconds in air			
C-07549-99	$1/4$ " phone plug for 08459-10 (above)		—			
C-08491-12	Pipe-fitting probe for closed pipes or vessels. Probe and fitting are 316 SS; not autoclavable; nondetachable lead. Not electrically isolated; $4 1/2$ " long.	-40 to 300°F (-40 to 150°C)	3.4 seconds			
C-08491-14	Pipe-fitting probe for closed pipes or vessels. Probe and fitting are 316 SS; autoclavable except lead; lead is detachable via BNC connector. Not electrically isolated; 1" long.	-40 to 300°F (-40 to 150°C)	3.4 seconds			
C-08491-08	Air temperature probe for test rooms, gas stream temperatures, and incubators. 316 SS cage around epoxy-encapsulated thermistor.	-40 to 300°F (-40 to 150°C)	10 seconds			
C-08491-10	Attachable surface probe, recommended for skin or flat-surface temperature measurements. Epoxy-backed 316 SS disk. Vinyl-covered parallel leads.	-40 to 212°F (-40 to 100°C)	1.1 seconds			
C-08491-09	Surface probe for skin, flat surface, and soil temperatures. Disk is 316 SS; probe includes handle.	-40 to 300°F (-40 to 150°C)	0.6 second			
C-08491-11	Small surface probe. Not electrically isolated or autoclavable and with nondetachable lead. Epoxy-backed 316 SS disk on 24" Teflon® lead.	-40 to 300°F (-40 to 150°C)	0.3 second			
C-08491-16	Penetration probe for insertion into semi-solids like fruits, soil, tobacco. No handle. All 316 SS, with vinyl-covered lead.	-40 to 300°F (-40 to 150°C)	3.7 seconds			