



DIGITAL TEMPERATURE TESTERS



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INF195

Digital Infrared Thermometer

The INF195 is perfect for frequent use in advanced or specialty application environments, where wide temperature ranges and superior optics are essential for use on targets at greater distances. This full-featured IR Thermometer is the most comprehensive and best-valued Infrared Thermometer on the market.

Features:

- -76° ~ 1022°F (-60° ~ 550°C)
- 12:1 Distance to Spot Ratio
- MIN/MAX/Differential, Average
- 3 emissivity levels: (0.30, 0.70, 0.95)
- Hi/low Alarm (User adjustable)
- K-Type thermocouple input
- Holster

NEW

NEW



Also included in this Data Sheet

INF165, DT221, DT222,
Digital Pocket Thermometers,
Dial and Liquid Thermometers

DT221

Digital Temperature Tester

DT222

Dual-Input Digital Temperature Tester

INFRARED THERMOMETERS

NEW



INF165 Infrared Thermometer

- -36.4 ~ 689°F (-38 ~ 365°C)
- 12:1 Distance to Spot Ratio

- Selectable Emissivity (0.70, 0.95)
- Max value capture
- Auto off
- 3 Year limited warranty

NEW



INF195 Infrared Thermometer

- -76° ~ 1022°F (-60° ~ 550°C)
- 12:1 Distance to Spot Ratio
- K-Type thermocouple input

- 3 emissivity levels: (0.30, 0.70, 0.95)
- MIN/MAX/Differential, Average
- Hi/low Alarm (User adjustable)
- 3 Year limited warranty

Carrying Case, 2 (AAA) Batteries,
Manual

Carrying Case, 2 (AAA) Batteries,
Manual

INF165

Measurement range	-36.4° to 689°F (-38° to 365°C)
Operating range	32° to 122°F (0° to +50°C)
Accuracy (T_{obj}= 0~365°C)	+/-2.5% of reading or (2.5°C) 4.5°F whichever is greater
(T_{obj} -36.4~ 0°C)	± (2.5°C/4.5°F) + 0.05°/ per degree)
Emissivity	0.70, 0.95
Resolution (-9.9° - 199.9°F)	0.2°F/0.2°C
Response Time (90%)	1 second
Distance Spot Ratio	12:1
Battery life	Standard "AAA" (x2)1.5V, 14 hours continuous
Dimensions	6.9" X 1.5" X 2.8"
Weight	6.3 oz including batteries
	2 "AAA" 1.5 batteries

INF195

Item	Non-contact Infrared Scan	Thermocouple Probe
Measurement range	-76° to 1022°F (-60° to +550°C)	-83.2° to +1999°F (-64° to ±1400°C)
Operating range	32° to 122°F (0° to +50°C)	±1% of reading or 1.8°F (1.0°C) whichever is greater (Test under T _{amb} =73±6°F)
Accuracy (T_{obj}= 0~550°C)	±2% RDG or 2°C (4°F) whichever is greater	
(T_{obj} = -60 ~ 0°C)	(±2°C (4°F) + 0.05°/per degree)	
Resolution (-9.9-199.9°F)	0.1°F / 0.1°C	
Response time (90%)	1 second	
Distance: Spot	12 : 1	
Battery life	Standard "AAA" (x2), 140 hours	
Dimensions	6.9" x 1.5" x 2.8" (175.2 x 39.0 x 71.9mm)	
Weight	6.7 oz including batteries	

NOTE: Under the electromagnetic field of 2V/m from 200 to 600 MHz, the maximum error is 18°F (10°C).

K-Type Temperature Probes (INF195)

ATT29	4' Standard fiber glass coated. (-40° to 950°F / -40° to 510°C)
ATT36	8" Surface probe and handle. (-40° to 950°F / -40° to 510°C)
ATT100	6" Liquid probe and handle. (-40° to 950°F / -40° to 510°C)
ATTPC2	1/4" ~ 1 1/2" Clamp Style Adapter for use with K-type inputs
ATTEXT	10' Extension for K-type thermocouples





DT221
Digital
Thermometer

Functions

- Single Thermocouple Input
- -328° to +2498°F (K-type)
- Accepts J and K type thermocouples



DT222
Digital
Thermometer

- Dual Thermocouple Input
- -328° to +2498°F (K-type)
- Accepts J and K type thermocouples
- T1 - T2 (Differential)

Features

- Auto power off with disable feature
- Large LCD screen.
- Bright back-lit display
- °C/°F select function
- MIN/MAX
- Date hold
- REL mode to observe temperature changes
- 3 year limited warranty

- Auto power off with disable feature
- Large LCD screen.
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- REL mode to observe temperature changes
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Includes

J Type Bead Temperature Probe,
9V Battery, Manual

(2) K Type Bead Temperature
Probes, 9V Battery, Manual

Specifications

DT221, DT222

Sensor Input Temperature Range

Single Input (DT221) Dual Input (DT222)
K-Type: -328°F ~ 2498°F (-200°C ~ 1370°C)
J-Type: -328°F ~ 1922°F (-200°C ~ 1050°C)

Temperature Unit Display Resolution

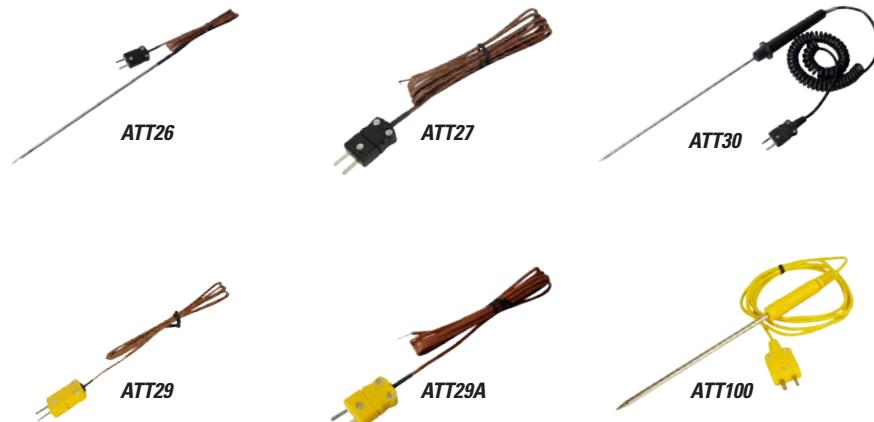
C° or F° Selectable
0.1°C (0.1°F)

Accuracy Input Protection Temperature Coefficient

±(0.2% + 1.4°F) ±(0.2% + 1°C)
Max Voltage of temperature input is 24V DC
0.01% of reading + 0.03°C per °C
0.01% of reading + 0.06°F per °F

Size

When out of range 18°C ~ 28°C (64°F ~ 82°F)
L159mm x W55mm x H38mm



Accessories

J-Type Temperature Probes

ATT26 Liquid probe and 48" cord. (-40°-1,550°F / -40°-850°C)

ATT27 4' Standard bead probe. (-40°-950°F / -40°-510°C)

ATT30 8" Liquid probe & handle. (-40°-1,550°F / -40°-850°C)

K-Type Temperature Probes

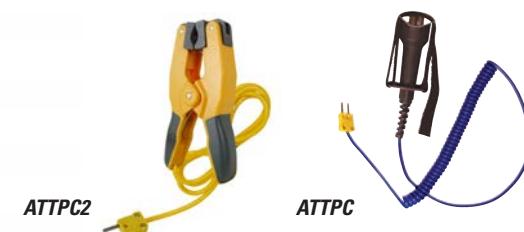
ATT29 4' Standard fiber glass coated. (-40° to 950°F / -40° to 510°C)

ATT29A 4' Standard Teflon coated FDA approved. (-40° to 950°F / -40° to 510°C)

ATT100 6" Liquid probe and handle. (-40° to 950°F / -40° to 510°C)

ATTPC 1/4" ~ 3" Pipe Clamp Adapter for use with K-type inputs

ATTPC2 1/4" ~ 1 1/2" Clamp Style Adapter for use with K-type inputs



DIGITAL TEMPERATURE TESTERS

DT15A Single-Input Thermister



- -58 to 571°F (-50 to 300°C)
- Single Thermistor input
- Responds quickly to temperature changes

- MIN/MAX record
- High visibility backlit display
- Data hold
- 3 Year Limited Warranty

One replaceable, submersible metal probe, 3 (AAA) Batteries, Manual

DT20A Dual-Input Thermister



- -58 to 571°F (-50 to 300°C)
- Dual Thermistor input
- Responds quickly to temperature changes

- Dual display lets you monitor any two of T1, T2 or differential (ΔT)
- MIN/MAX record
- High visibility backlit display
- Data hold
- 3 year limited warranty

Two replaceable, submersible metal probes, 3 (AAA) Batteries, Manual

DT15A, DT20A

Range	Resolution	Accuracy
-50 to -20°F/°C	1°	±(1% reading +1.5°F/°C)
-19.9 to 199.9°F/°C	0.1°	
200 to 571°F	1°	
200 to 300°C	1°	

Inputs	Single (DT15A) Double (DT20A)
Size	(H x W x D) 5 1/2" x 3" x 1 1/4"
Weight	.44 lbs.
Nominal Resistance	100KΩ

Thermistors

ATT55A	4" Liquid temperature probe with 30" cord.
ATT56A	4" Air temperature probe with 30" cord.
ATT57A	4" Surface temperature probe with 30" cord.
ATT58A	Sealed probe with 15' cord.



ATT55A



ATT56A



ATT57A



ATT58A

THERMOMETERS

Digital Pocket Thermometers



PDT550

Pocket Thermometer

- Waterproof
- -58 to 572°F (-50 to 300°C)
- Built-in magnetic mount
- MIN/MAX record
- Dual purpose probe cover serves as thermometer extension
- Auto power off
- Quick and easy to read
- NSF
- 3 Year limited warranty
- Colors available: Red, Green, Yellow, Blue, Black



PDT650

Folding Pocket Thermometers

- -58 to 572°F (-50 to 300°C)
- Built-in magnetic mount
- MIN/MAX record
- Auto power off
- Large easy to read Display
- 3 year limited warranty



550B

Digital Pocket Thermometer

- Protective boot
- Magnetic mount
- -58° to 572°F
- Water resistant
- MIN/MAX
- Data hold
- Auto power off
- New ergonomic designed head
- NSF
- 3 Year limited warranty

Dial And Liquid Thermometers



RFT2A

Refrigeration/Freezer Thermometer

- Heavy-duty stainless steel, dial type refrigeration thermometer.
- -20 to 80°F (-30 to 30°C)
- 2°F/1°C per division
- Hangs or stands
- Stainless steel frame
- 1 Year limited warranty



RF60A

Vapor Tension Thermometer

- -40 to 60° (-40 to 15°C)
- 2°F/C per division
- 2" Dial with 3" mounting flange
- 48" Nickel plated, rear-mounted capillary
- Color-coded scales
- Easy pointer calibration
- NSF listed
- 1 Year limited warranty



DOT2A

Oven Thermometer

- 200 to 550°F (65 to 290°C)
- 25°F/10°C per division
- Hangs or stands
- Stainless steel frame
- 1 Year limited warranty



RH60

Vapor Tension Thermometer

- -40 to 60°F (-40 to 15°C)
- 2°F/C per division
- 2" Dial with hanger strap
- 48" Nickel plated capillary with bottom connection
- Color-coded scales
- Easy pointer calibration
- NSF listed
- 1 Year limited warranty



FG80K

Refrigeration/Freezer Thermometer

- -40 to 80°F (-40 to 27°C)
- Large 5" x 1 1/4" scale plate
- Red spirit-filled (contains no mercury)
- Hangs or stands
- NSF listed
- 1 Year limited warranty



G120 & G220

Vapor Retension Thermometer

- Mercury Free!
- Glass spirit with protective sleeve
- Range:
 - G120: -40° to 120°F
 - G220: 0° to 220°F
- 1 Year limited warranty

Pocket Dial Thermometers

#Stock	Scale	Deg/Div.	Range	Length
T160	1"	2°	-40° a +160°F	5"
T220	1"	2°	0° a +220°F	5"
TC70	1"	1°	-40° a +70°C	5"
TC100	1"	1°	-10° a +100°C	5"
T125/3	1-3/4"	1°	+25° a +125°F	5"
T160/3	1-3/4"	2°	-40° a +160°F	5"
T220/3	1-3/4"	2°	0° a +220°F	5"



- 1 year limited warranty

A C C E S S O R I E S

J-Type Temperature Probes

ATT19	4' Standard bead probe w/ clip. (-40°-950°F / -40°-510°C)
ATT26	Liquid probe and 48" cord. (-40°-1,550°F / -40°-850°C)
ATT27	4' Standard bead probe. (-40°-950°F / -40°-510°C)
ATT30	8" Liquid probe & handle. (-40°-1,550°F / -40°-850°C)

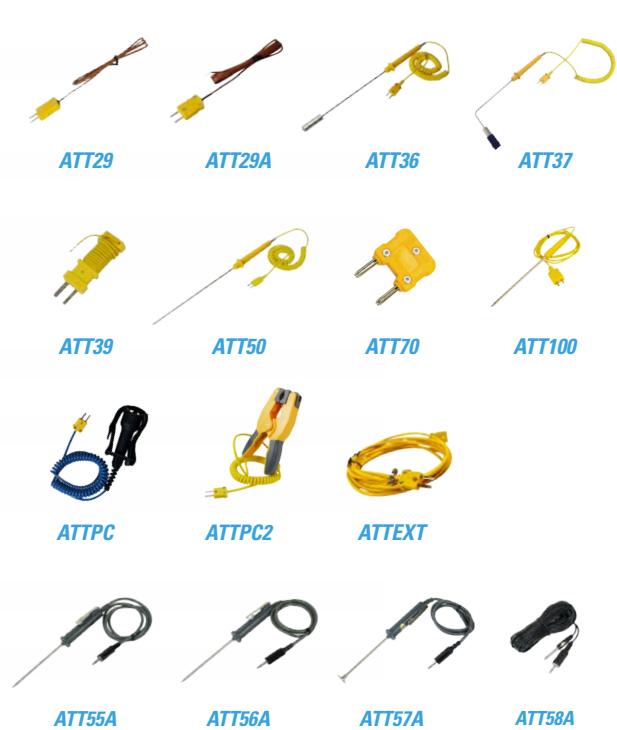


K-Type Temperature Probes

ATT29	4' Standard fiber glass coated. (-40° to 950°F / -40° to 510°C)
ATT29A	4' Standard Teflon coated. (-40° to 950°F / -40° to 510°C)
ATT29APACK	10 PACK 4' Standard Teflon coated.
ATT36	8" Surface probe and handle. (-40° to 950°F / -40° to 510°C)
ATT37	8" Right angle surface probe and handle. (-40° to 950°F / -40° to 510°C)
ATT39	Storable temperature probe for the DT301, DT302, DT304 (-40° to 950°F / -40° to 510°C)
ATT50	8" Liquid probe & handle. (-40° to 1,550°F / -40° to 850°C)
ATT70	Temperature plug adapter for DMMs and Clamp Meters.
ATT100	6" Liquid probe and handle. (-40° to 950°F / -40° to 510°C)
ATTPC	1/4" ~ 3" Pipe Clamp Adapter for use with K-type inputs
ATTPC2	1/4" ~ 1 1/2" Clamp Style Adapter for use with K-type inputs
ATTEXT	10' Extension for K-type thermocouples

Thermistors

ATT55A	4" Liquid temperature probe with 30" cord.
ATT56A	4" Air temperature probe with 30" cord.
ATT57A	4" Surface temperature probe with 30" cord.
ATT58A	Sealed probe with 15' cord.



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Product Part # or Group

Refrigeration Products

Combustion & Environmental Catalog

Digital Clamp Meters

LIT #

L351

L330

L333

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