

APECH

AT-18HD



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AT-828



SPECIFICATIONS

Non-contact Infrared Thermometer	
Measurement Range	-60 to +500 °C (-76 to +932 °F)
Accuracy (Tobj=15-35°C, Tamb=25°C)	±1.0°C (1.8°F)
Accuracy (Tobj=-33-500°C, Tamb=23±3°C)	Tobj=0~500°C: ±2% of reading or 2°C (4°F) whichever is greater Tobj=-60-0°C: ±(2°C+0.05/degree) °C
Emissivity Range	0.95 default - adjustable 0.1 to 1 step .01
Resolution (-9.9-199.9°C/°F)	0.1°C/0.1°F, otherwise 1°C/1°F
Response Time (90%)	1sec
DistanceSpot	12:1 (90% energy covered)
Operating Range	0 to +50°C (32 to +122°F)
Contact Thermometer-Type K	
Measurement Range	-64 to +1400°C (-83.2 to +1999°F)
Accuracy (Tobj=-33-500°C, Tamb=23±3°C)	±1% of reading or 1°C (1.8°F) whichever is greater (Test under Tamb=23±6°C)
Relative Humidity (Tamb=23±/5degC)	
Measurement Range	1 to 99%
Accuracy	±/-3% From 20 to 80%, others +/-5%
Dew point	-50~-50°C, accuracy: ±2.5°C from 20-30%RH: ±2°C from 31-40%RH; ±1.5°C from 41-95 %RH
Dry bulb temperature	-20-65°C, accuracy: ±2.5°C
Wet bulb temperature	-20~-65°C, accuracy +2.5°C
Battery Life	Typ.180. min 140 hours continuous use (Alkaline, without Laser and Back Light.)
Dimensions	46.0 x 143.0 X 184.8mm(1.81 x 5.63 x 7.28 inch)
Weight	240 grams(8.5 oz) including batteries (AAA*2pcs)
Note: Under the electromagnetic field of 3V/m from 200 to 600 MHz, the maximum error is 10 °C (18°F).	

Features

- Fast and easy measurement
- The built-in laser pointer increases the target accuracy
- Max/Min Record
- Emissivity adjustable from 0.1 to 1.0
- Automatic measurement range selection with resolution 0.1 °C/°F
- Automatic trigger off
- Precise non-contact measurement
- Backlight LCD display
- Auto power off

Specifications

Range	-50 °C ~580 °C (-58 °F ~1076 °F)
Accuracy	-50 °C ~0 °C/-58 °F ~32 °F :±4 °C/7.2 °F >0 °C/32 °F :±2% or reading ±2 °C/3.6 °F
Emissivity	Adjustable 0.1~1.0
Optical Resolution	D:S=13:1
Response Time Time	≤500ms
Resolution	0.1 °C (0.1 °F)
Spectral Response	8 ~14μm
Polarity Display	Auto display, "-" indicates negative, while positive with no sign.
Diode Laser	Output <1mW, 630 ~670nm, class 2 (II)
Auto Power Off	Auto shuts off after 20 seconds inactivity
Operating Temp.	0 °C to 50 °C / 32 °F to 122 °F
Storage Temp.	-20 °C to 60 °C / -4 °F to 140 °F
Relative Humidity	Operating:10 ~ 95%RH, Storage:<80%RH
Power Supply	9V battery
Dimensions	155*100*42mm
(L*W*H)	
Weight	176g