

NEW! Wahl Heat Spy® High Precision Portable Infrared Thermometers

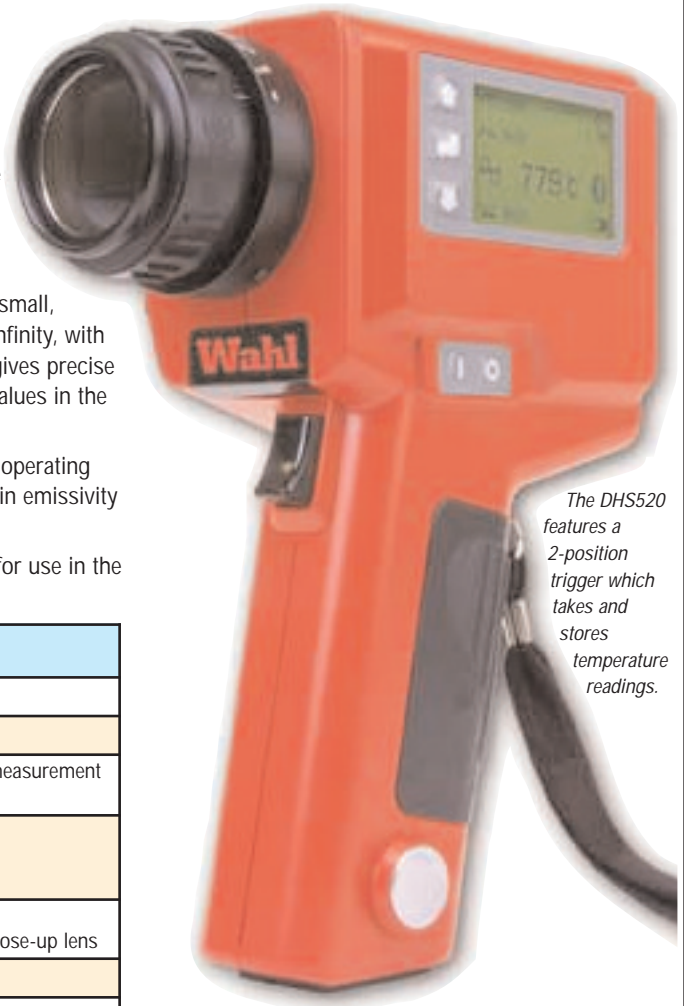
- DHS520 & DHS520G with RS232
- DHS520B & DHS520GB with RS232 & Bluetooth® Communications

The Wahl DHS520 is a general purpose, high precision, portable infrared thermometer, designed for accurate temperature measurement in the range of 1022° to 5432°F (550° to 3000°C). The bright, back-lit external display panel indicates status and configuration of thermometer, together with four simultaneous modes: continuous, average, maximum and minimum.

Accurate sighting is ensured by the clear, wide angle (9°) field of view and small, clearly defined (1/3°) measurement area. Focusing is variable from 1m to infinity, with close focus options available using auxiliary lenses. Reflex optical system gives precise definition of target spot and simultaneous backlit display of user selected values in the viewfinder.

Emissivity compensation is provided via the icon-based menu system. The operating waveband has been carefully chosen to minimize errors due to uncertainty in emissivity and the effects of atmospheric vapor components.

Models DHS520G & DHS520GB include 2 dark glass eye protection filters for use in the Glass industry.



The DHS520 features a 2-position trigger which takes and stores temperature readings.

DHS520(G) - DHS520B(GB) SPECIFICATIONS

Temperature Range	1022° to 5432°F (550° to 3000°C)
Measuring Mode	CONT, AVG, MAX & MIN
Optical System	9° Field of View with 1/3° (180:1 to 98% energy) measurement area. Eyepiece adjustable: -3.75 to +2.5 diopters
Focusing Range	39.3in / 1m to infinity 17.7 to 24.5in / 450 to 620mm with optional 8.5in / 215mm fixed focus close-up lens
Target Size	0.19in at 39.3in / 5mm at 1m 0.07in / 1.8mm at 0.016in / 0.4mm with optional close-up lens
Spectral Response	1 µm with advance spectral filtering
Emissivity Range	0.10 to 1.20 in 0.01 step graduations
Response Time	30 ms (98% response)
Display Update Time	0.5 seconds
Accuracy	< 0.25% (K) of reading
Repeatability	< 0.1% (K) of reading
Operating Temp Range	32° to 122°F (0° to 50°C)
Power Supply	1 9V Battery
Output	RS232, Bluetooth® (DHS520B only)
Dimensions	8.25 x 2.75 x 5.5 inches (210 x 70 x 140mm)
Weight	Approximately 6.87 ounces (195 grams) 0.83kg/1.8lb
Sealing	IP54 / NEMA 3
Included Accessories	Lens Cap, Dark Glass Eye Protection Filter (G models include 2 filters), Wrist Strap, 9V Battery and User Manual
Optional Accessories	Waterproof Carrying Case, Close-up Lenses, Datalogger Software

Specifications subject to change without notice

Note: The DHS520 & DHS520B replaces the DHS54 & DHS54A which have been discontinued.



Calibration Services a

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APPLICATIONS

- Heat Treatment
- Refractories
- Semi-Conductors
- Steel
- Any Industrial use
- Glass

FEATURES

- Digital signal processing
- High accuracy and repeatability
- Long term, drift free measurement
- Advanced spectral filtering enhances performance
- Flexible user configuration
- Robust - Ideal for industrial use

BENEFITS

- No contamination, interference or damage to process or material
- Accurate, reliable and stable temperature measurement to aid product quality control
- Maximize production rates and efficiency

Target Size	
Distance: ft (m)	Target Size: in (mm)
328 (100)	22.6 (576)
164 (50)	11.2 (287)
65.6 (20)	4.48 (114)
32.8 (10)	2.24 (57)
22.9 (7)	1.53 (39)
16.4 (5)	1.10 (28)
6.5 (2)	0.43 (11)
3.2 (1)	0.18 (4.8)

Target size can be reduced to a minimum of 0.4mm/0.016in with optional close-up lenses.

