

HEAT SPY® SELECTION GUIDE AND CATALOG INDEX

Model No.	Catalog Page	General Description	Application	
DHS-100X	6,8	Economical entry level IR instrument	<p>DHS-100 and DHS-200 Heat Spys perform in a wide variety of routine maintenance and inspection applications including: Steam Traps • Electrical Busses • Motor Bearings • Paper • Plastic • Rubber • Glass • Ceramic • Painted Surfaces • Chips • Asphalt • Wood • Stacks • Furnaces • Shells • Dies • Heat Treating • Chemical Processes • Circuit Boards • Wave Soldering • Welding • High Voltage Targets • Moving and Rotating Machinery • Food Processing • Transportation and Storage • HVAC System Test • Closed Robotic Assembly Areas • Wheel Bearings • Process Assembly Line.</p>	
DHS-100XE	6,8	Low-cost model with advanced menu-driven features		
DHS-100XL	7,9	Lowest cost laser sighting model available		
DHS-100XEL	7,9	Value packed model with all the advantages of laser sighting and menu driven measurement options		
DHS-150	-	Professional series		
DHS-250	-	Professional series		
DHS-24C-FM	12,13	Celsius range, red LED display, Factory Mutual (FM) tested and approved		<p>DHS-24 Heat Spy series combines ultra-high accuracy ($\pm 3^{\circ}\text{F}/\pm 1.5^{\circ}\text{C}$), rugged extruded aluminum housing, adjustable emissivity, display and sighting options with many other features to provide the ultimate in portable hand-held infrared thermometers. Applications are virtually endless, including glass surfaces and other tough, low-emissivity materials. Carbon dioxide and water vapor will not affect readings. Wide range of 0° to 1000°F (-20° to 550°C) for routine and highly specialized maintenance and inspection applications such as: Steam Traps • Electrical Busses • Motor Bearings • Paper • Plastic • Rubber • Glass • Ceramic • Painted Surfaces • Chips • Asphalt • Wood • Stacks • Furnaces • Shells • Dies • Heat Treating • Chemical Processes • Circuit Boards • Wave Soldering • Welding • High Voltage Targets • Moving and Rotating Machinery • Food Processing • Transportation and Storage • HVAC System Test • Closed Robotic Assembly Areas • Wheel Bearings • Process Assembly Line.</p>
DHS-24F-FM	12,13	Fahrenheit range, red LED display, Factory Mutual (FM) tested and approved		
DHS-24 L1	12,13	Red LED display, 1 mW laser sighting. Available in °F or °C range		
DHS-24X	12,13	Red LCD, enclosed optical sight. Available in °F or °C range		
DHS-24XC-FM	12,13	Celsius range, red LCD, Factory Mutual (FM) tested and approved		
DHS-24XF-FM	12,13	Fahrenheit range, red LCD, Factory Mutual (FM) tested and approved		
DHS-24XL1	12,13	Red LCD, 1mW laser sighting. °F or °C scale switch		
DHS-24XL5	12,13	Red LCD, 5mW laser sighting. °F or °C scale switch		
DHS-26C-FM	12,13	Celsius range, red LED display, Factory Mutual (FM) tested and approved		
DHS-26F-FM	12,13	Fahrenheit range, red LED display, Factory Mutual (FM) tested and approved		
DHS-26 L1	12,13	Red LED display, 1 mW laser sighting. °F or °C scale switch		
DHS-26 L5	12,13	Red LED display, 5 mW laser sighting. °F or °C scale switch		
DHS-26X	12,13	Red LCD, enclosed optical sight. °F or °C scale switch		
DHS-26XC-FM	12,13	Celsius range, red LCD, Factory Mutual (FM) tested and approved		
DHS-26XF-FM	12,13	Fahrenheit range, red LCD, Factory Mutual (FM) tested and approved		
DHS-26 XL1	12,13	Red LCD, 1mW laser sighting. °F or °C scale switch		

The **DHS-26 Heat Spy** series combines all the ultra-high accuracy and performance features of the DHS-24 series with an even wider measurement range of 0° to 2000°F (-20° to 1000°C). This range capability, along with the sighting system and display options offered, provides non-contact temperature measurement for all but the most specialized high temperature applications. FM-approved models are available.

HEAT SPY® SELECTION GUIDE AND CATALOG INDEX

Model No.	Catalog Page	General Description	Application
DHS-26 XL5	12,13	Red LCD, 5mW laser sighting. °F or °C scale switch	
DHS-26 XT	12,13	Red, LCD, telescopic sight system. °F or °C scale switch	
DHS-28X	12,13	Red LCD, enclosed optical sight. °F or °C scale switch	
DHS-28XC-FM	12,13	Celsius range, red LCD, Factory Mutual (FM) tested and approved	
DHS-28XF-FM	12,13	Fahrenheit range, red LCD, Factory Mutual (FM) tested and approved	
DHS-28XL1	12,13	Red LCD, 1mW laser sighting. °F or °C scale switch	
DHS-28XL5	12,13	Red LCD, 5mW laser sighting. °F or °C scale switch	
DHS-28XT	12,13	Red, LCD, telescopic sight system. °F or °C scale switch	
DHS-29X	16	Red LCD, enclosed optical sight. °F or °C scale switch	
DHS-29XT	16	Red, LCD, telescopic sight system. °F or °C scale switch	
DHS-33SC	18	Celsius range, fixed, focus, internal display, recorder output	
DHS-33SF	18	Fahrenheit range, fixed, focus, internal display, recorder output	
DHS-34A	18	Auto-focus model with external LCD. °F or °C range.	
DHS-34S	18	Manual-focus model with external LCD. °F or °C range.	
DHS-35XT	16	Red-reading LCD, telescopic sight system. °F or °C scale switch	
DHS-53AC	17	Celsius range, analog output at 1mV/deg., LCD	
DHS-53AF	17	Fahrenheit range, analog output at 1mV/deg., LCD	
DHS-53C	17	Celsius range, LCD external and internal displays, digital output	
DHS-53F	17	Fahrenheit range, LCD external and internal displays, digital output	
HSA-201	19	Dial Range: -10° to 100°C/-18° to 180°F	
HSA-201-2	19	Dial Range: -20° to 200°C/-36° to 360°F	
HSA-201-3	19	Dial Range: -10° to 100°C/-20° to 200°C	
HSA-201-4	19	Dial Range: -18° to 180°F/-36° to 360°F	

The DHS-28 Heat Spy series is designed to perform to the same exacting standards as the DHS-24 and DHS-26, but in the ultra-high temperature range required for glass globs, heat treating, annealing and welding applications. Readings up to 2500°F (1400°C) can routinely be recorded. FM laser-sighting options. We recommend the telescopic sight.

DHS-29 Heat Spys are highly specialized instruments designed to measure temperatures at the extremes. Safe, accurate and reliable, these Heat Spys capture readings up to 3200° (1760°C) for demanding applications like furnace walls, refractories, glass works, furnace tubes, ceramics, billets, slag and annealing processes. Constructed from the same materials as the rugged DHS-24 Heat Spy series. Measures through gas, glass ports and flames.

DHS-33/34 Heat Spys are compact units incorporating a reflex sighting system that pin-points the temperature target and displays the reading. DHS-33 models are specialized for very small target areas (0.08" dia.) and are fixed focus. Options for photographic and data acquisition recording.

DHS-35XT Heat Spy measures furnace tubes up to 3200°F (1760°C). Designed to take readings through open ports. Also can be used for other high-temperature applications.

DHS-53 Infrared Thermometers are designed to read small targets (down to 0.04") at high temperatures (up to 5500°F) with excellent accuracy by means of through-the-lens viewing. Tough measurements from coke ovens, glass or metal processing, borosilicates, refractories and ceramic kilns all become routine. Digital output to data logger or printer from DHS-53 C or F.

HSA-201 Telematic Heat Spys are preferred by maintenance engineers for checking distant targets such as transmission lines, transformers, insulators, stacks, kilns or reactors at a time-saving and safe distance up to 300 ft. away. Telematics are designed for quick and easy "scan operation and are available in several range and scale options.