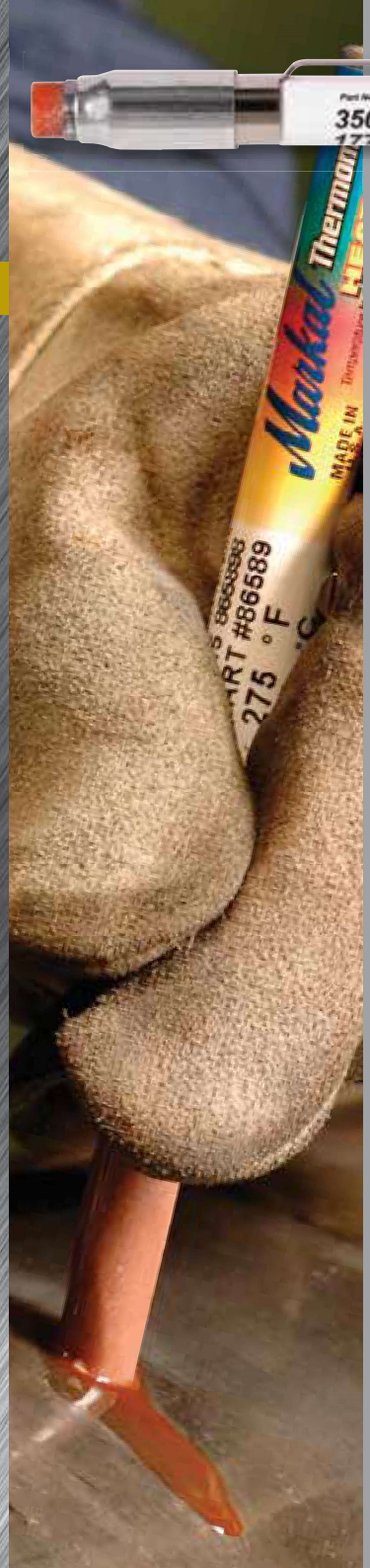
TEMPERATURE INDICATORS

FAST ACCURATE RESULTS

For the best in weld integrity, heating base materials to highly-specific temperatures is required and our line of Thermomelt® temperature indicators offers the best combination of speed, ease of use, and accuracy. The simple-to-use stick melts quickly when applied to a surface at the stated temperature on the package to guarantee fast and accurate results every time without calibration.



Thermomelt® HEAT-STIK®

Thermomelt HEAT-STIK markers are a quick, low-cost method to accurately measure surface temperatures of various metals and equipment. Available in 88 Fahrenheit temperatures, the stick-in-holder design provides convenience and durability for long-lasting use in the workshop or in the field.

Features & Benefits

- When the stick melts, the precise temperature is reached
- Long-lasting stick is 33% bigger than competition
- Accurate to within +/- 1% of Fahrenheit and +/- 3% Celsius rated temperatures; no need for sensor calibration
- Ideal for: pre-heating, post-weld heat treating, interpass temperature monitoring, stress-relieving and annealing
- Protective holder, shirt-clip and adjustment ring prevents breakage and improves handling
- Meets welding codes: AWS D1.1, ANSI/ASME Code B32.1 & B31.3, ASME Code Sec. I, III, and VII, NIST Traceable

Industry Uses

Welding
Ship building and repair
Bridge fabrication
Metal fabrication
Forge and casting foundries
Railroad
Steel mills

Surface Uses

Steel and iron

Detail

	F	C
86400	100°F	38°C
86409	109°F	43°C
86418	113°F	45°C
86427	119°F	48°C
86436*	125°F	52°C
86445	131°F	55°C
86454	138°F	59°C
86463*	150°F	66°C
86472	163°F	73°C
86481*	175°F	79°C
86490	182°F	83°C
86499	188°F	87°C
86508	194°F	90°C
86517*	200°F	93°C
86522	206°F	97°C
86526	213°F	101°C
86535	219°F	104°C
86544*	225°F	107°C
86553	238°F	114°C
86562*	250°F	121°C
86569	256°F	124°C
86571	263°F	128°C
86580	269°F	132°C
86589*	275°F	135°C
86598	282°F	139°C
86607	288°F	142°C
86616	294°F	146°C
86625*	300°F	149°C
86634	306°F	152°C
86643	313°F	156°C

	F	C
86652	319°F	159°C
86661*	325°F	163°C
86670	331°F	166°C
86679	338°F	170°C
86688	344°F	173°C
86697*	350°F	177°C
86706	363°F	184°C
86715*	375°F	191°C
86724	388°F	198°C
86733*	400°F	204°C
86742	413°F	212°C
86751*	425°F	218°C
86769*	450°F	232°C
86778	463°F	239°C
86787*	475°F	246°C
86796	488°F	253°C
86805*	500°F	260°C
86814*	525°F	274°C
86823*	550°F	288°C
86832	575°F	302°C
86841	600°F	316°C
86850	625°F	329°C
86859*	650°F	343°C
86868	700°F	371°C
86877	750°F	399°C
86886	800°F	427°C
86895	850°F	454°C
86904	900°F	482°C
86922	950°F	510°C

	F	C
86931	1000°F	538°C
86949	1050°F	565°C
86958	1100°F	593°C
86967	1150°F	621°C
86976	1200°F	649°C
86985	1250°F	677°C
86994	1300°F	704°C
87003	1350°F	732°C
87012	1400°F	760°C
87021	1425°F	774°C
87030	1450°F	788°C
87039	1480°F	804°C
87048	1500°F	816°C
87057	1550°F	843°C
87066	1600°F	871°C
87075	1650°F	899°C
87084	1700°F	927°C
87093	1750°F	954°C
87102	1800°F	982°C
87111	1850°F	1010°C
87120	1900°F	1038°C
87129	1950°F	1066°C
87138	2000°F	1093°C
87147	2050°F	1121°C
87156	2100°F	1149°C
87165	2150°F	1177°C
87174	2200°F	1204°C

** Indicates that this marker color is low in chlorides, halogens, and sulfurs for low corrosion marking requirements.*

Thermomelt® HEAT-STIK® Celsius

Thermomelt HEAT-STIK markers are a quick, low-cost method to accurately measure surface temperatures of various metals and equipment. Available in 33 Celsius temperatures, the stick-in-holder design provides convenience and durability for long-lasting use in the workshop or in the field.

Features & Benefits

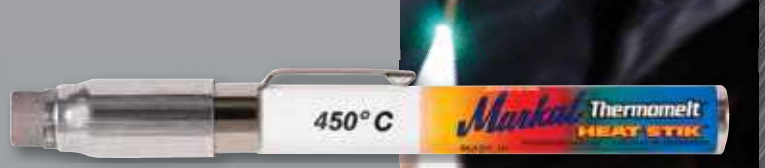
- When the stick melts, the precise temperature is reached
- Long-lasting stick is 33% bigger than competition
- Accurate to within +/- 3% Celsius rated temperatures; no need for sensor calibration
- Ideal for: pre-heating, post-weld heat treating, interpass temperature monitoring, stress-relieving and annealing
- Protective holder, shirt-clip and adjustment ring prevents breakage and improves handling
- Meets welding codes: AWS D1.1, ANSI/ASME Code B32.1 & B31.3, ASME Code Sec. I, III, and VII, NIST Traceable

Industry Uses

Welding
Ship building and repair
Bridge fabrication
Metal fabrication
Forge and casting foundries
Railroad
Steel mills

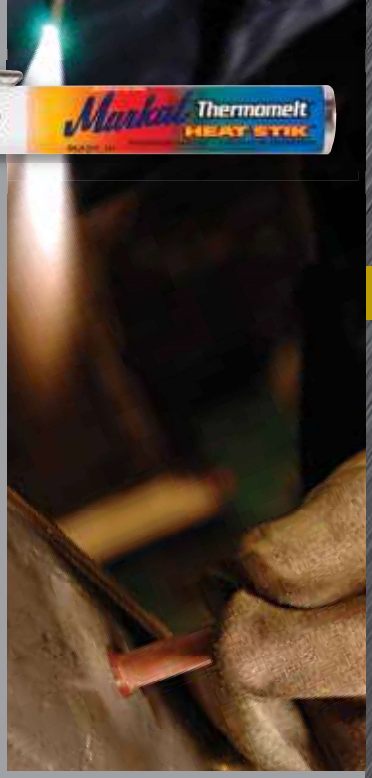
Surface Uses

Steel and iron



Detail

	C		C
86402	50°C	86770	450°C
86404	75°C	86807	500°C
86401	100°C	86824	550°C
86408	125°C	86842	600°C
84664	150°C	86860	650°C
86410	175°C	86870	700°C
86516	200°C	86878	750°C
86405	225°C	86887	800°C
86563	250°C	86896	850°C
86407	275°C	86905	900°C
86626	300°C	86923	950°C
86698	350°C	86932	1000°C
86734	400°C	86960	1100°C
		86977	1200°C



Certified Thermomelt® HEAT-STIK®

Pre-certified to meet nuclear and military low-corrosion specifications for stainless-steel fabrication and other super alloys, the Markal® Certified Thermomelt HEAT-STIK is a quick method to accurately measure metal surface temperatures and equipment. The 20 available temperatures are lot traceable for jobsite documentation.

Features & Benefits

- Certified to meet the following U.S.A. and international specifications:

  -EDF PMUC
  -MIL - STD-2041D
  -U.S. DOE RDT F-7-3T (expired)
  -U.S. Navy C3070

- Engineered to meet:
  < 200 ppm total halogens
  < 250 ppm each low melting point metals
  < 300 ppm total low melting point metals
  < 200 ppm sulfur
- Individual lot analysis and certification available at **markal.com/certified** for quick, accurate reference
- Protective holder, shirt-clip and adjustment ring prevents breakage and improves handling

Industry Uses

Ship building and repair
Nuclear-power generation
Other power generation facilities
Oil and gas
Military

Surface Uses

Stainless Steel
Alloy and superalloy metals

Details

	12 Case F	C
89100*	100°F	38°C
89125*	125°F	52°C
89150*	150°F	66°C
89175*	175°F	79°C
89200*	200°F	93°C
89225*	225°F	107°C
89250*	250°F	121°C
89275*	275°F	135°C
89300*	300°F	148°C
89325*	325°F	163°C
89350*	350°F	177°C
89375*	375°F	191°C
89400*	400°F	204°C
89425*	425°F	218°C
89450*	450°F	232°C
89475*	475°F	246°C
89500*	500°F	260°C
89525*	525°F	274°C
89550*	550°F	288°C
89650*	650°F	343°C

** Indicates that this marker color is low in chlorides, halogens, and sulfurs for low corrosion marking requirements.*