

Markal®

High Performance Industrial Markers

Thermomelt® Heat Stik® Temperature Indicators

NEW!
CERTIFIED
THERMOMELT®



Thermomelt — Made in the U.S.A. to meet the demands of today's welder.

TYPICAL APPLICATIONS:

- Ship Building
- Pressure Vessels
- Boiler Systems
- Bridge Construction
- Power Piping Systems

Thermomelt® — When Temperature Measurement is Critical!

The welder's craft demands precise measurement of metal surface temperatures. Markal® has the welder covered with the Thermomelt® family, available in 88 Fahrenheit ratings up to 2200°F and 33 Celsius ratings up to 1200°C, with consistent accuracy within $\pm 1\%$.

The Markal Thermomelt temperature indicator with superior break-resistance is the industry's largest, longest-lasting stick, improving efficiency and uptime.

Introducing Markal Certified Thermomelt Heat Stik

New Certified Thermomelt Heat Stiks are specifically analyzed and certified to contain low concentrations of halogens, sulfur and low melting point metals (less than 250 ppm). Available in 21 exact temperature ratings from 100°F to 650°F, Certified Thermomelt Heat Stiks are accurate to within $\pm 1\%$ of the rated temperature. Ideal for use in nuclear power generation facilities such as ship-building, atomic energy or anywhere that nuclear certification is required.

"Markal is Going Green!" New paperless certification and analysis is available at www.markal.com/certified

FEATURES:

- Accurate, fast, low-cost method for measuring surface temperatures; accurate to within $\pm 1\%$ of rated temperature
- Ideal for applications such as annealing, forging, welding, bending, forming and any place where temperature measurement is critical to the process
- The initial mark appears dull and chalky; when desired temperature is reached, the mark quickly melts to a glossy liquid
- 33% bigger and stronger; same proven reliability; bigger design makes Thermomelt the industry's longest-lasting heat stick
- Bigger, break-resistant stick cuts down on replacement costs
- Improved holder features a durable metal shaft and convenient pocket clip
- Gravity advance holder protects stick and prevents stick from slipping back inside holder
- Meets ANSI/ASME Code B32.1 & B31.3, AWS D1.1 and ASME Code Sec. I, III and VII, NIST traceable



NEW!

Markal®

Call, write or email for additional information

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Family owned and operated since 1934



CERTIFIED THERMOMELT® STIKS IN 21 EXACT TEMPERATURES

TEMPERATURE			TEMPERATURE			TEMPERATURE			TEMPERATURE		
F	C	STICK	F	C	STICK	F	C	STICK	F	C	STICK
100	38	89100	250	121	89250	375	191	89375	500	260	89500
125	52	89125	275	135	89275	400	204	89400	525	274	89525
150	66	89150	300	149	89300	425	218	89425	550	288	89550
175	79	89175	325	163	89325	450	232	89450	600	316	89600
200	93	89200	350	177	89350	475	246	89475	650	343	89650
225	107	89225									

AVAILABLE IN THESE 88 EXACT TEMPERATURE RATINGS FROM 100°F TO 2200°F (38°C TO 1204°C)

TEMPERATURE			TEMPERATURE			TEMPERATURE			TEMPERATURE		
F	C	STICK	F	C	STICK	F	C	STICK	F	C	STICK
100	38	86400	269	132	86580	463	239	86778	1250	677	86985
109	43	86409	275	135	86589	475	246	86787	1300	704	86994
113	45	86418	282	139	86598	488	253	86796	1350	732	87003
119	48	86427	288	142	86607	500	260	86805	1400	760	87012
125	52	86436	294	146	86616	525	274	86814	1425	774	87021
131	55	86445	300	149	86625	550	288	86823	1450	788	87030
138	59	86454	306	152	86634	575	302	86832	1480	804	87039
150	66	86463	313	156	86643	600	316	86841	1500	816	87048
163	73	86472	319	159	86652	625	329	86850	1550	843	87057
175	79	86481	325	163	86661	650	343	86859	1600	871	87066
182	83	86490	331	166	86670	700	371	86868	1650	899	87075
188	87	86499	338	170	86679	750	399	86877	1700	927	87084
194	90	86508	344	173	86688	800	427	86886	1750	954	87093
200	93	86517	350	177	86697	850	454	86895	1800	982	87102
206	97	86522	363	184	86706	900	482	86904	1850	1010	87111
213	101	86526	375	191	86715	950	510	86922	1900	1038	87120
219	104	86535	388	198	86724	1000	538	86931	1950	1066	87129
225	107	86544	400	204	86733	1022	550	86940	2000	1093	87138
238	114	86553	413	212	86742	1050	565	86949	2050	1121	87147
250	121	86562	425	218	86751	1100	593	86958	2100	1149	87156
256	124	86569	438	225	86760	1150	621	86967	2150	1177	87165
263	128	86571	450	232	86769	1200	649	86976	2200	1204	87174

Note: 12 THERMOMELT® Sticks are considered a case for combination with other Markal® products. Temperatures can be assorted within 1 dozen/box.

THERMOMELT® STIKS IN 33 EXACT CELCIUS TEMPERATURES*

PART NO.	C	PART NO.	C	PART NO.	C	PART NO.	C	PART NO.	C
86402	50	86466	160	86626	300	86860	650	86932	1000
86403	60	86468	165	86698	350	86870	700	86950	1050
86404	75	86410	175	86734	400	86878	750	86960	1100
86401	100	86516	200	86770	450	86887	800	86968	1150
86411	110	86405	225	86807	500	86896	850	86977	1200
86408	125	86563	250	86824	550	86905	900		
84664	150	86407	275	86842	600	86923	950		

* accuracy range for Celsius temperature is 3%