

CERTIFICATION OF THERMOELECTRIC CALIBRATION

Customer:
Address:

Date:
S.O. Number:

Product Information

	Billet No.	Quantity	Nom. Dia.	Std. No.
W5Re:	5827	100 feet	0.020 in.	5693
W26Re:	26882	100 feet	0.020 in.	26202

Departure from ASTM E-230 Standard Curve

Temp. °F	E-230 Nominal	Deviation mv.	Deviation °F	Net Output
200	1.348	-0.036	-4.2	1.312
400	3.166	-0.020	-2.1	3.146
600	5.150	0.016	1.6	5.166
800	7.241	0.055	5.2	7.296
1000	9.393	0.077	7.1	9.470
1200	11.563	0.076	7.0	11.639
1400	13.723	0.055	5.1	13.778
1600	15.852	0.032	3.0	15.884
1800	17.933	0.003	0.3	17.936
2000	19.952	-0.013	-1.3	19.939
2200	21.902	-0.020	-2.1	21.882
2400	23.778	-0.025	-2.7	23.753
2600	25.581	-0.014	-1.6	25.567
2800	27.308	-0.008	-0.9	27.300
3000	28.961	0.016	2.0	28.977
3200	30.538	0.033	4.3	30.571
3400	32.036	0.053	7.3	32.089
3600	33.451	0.071	10.4	33.522
3800	34.772	0.090	14.2	34.862
4000	35.987	0.079	13.7	36.066
4200	37.075	-0.002	-0.4	37.073

Temperature defined by ITS90. Reference junction temperature is 32°F.

All calibrations are traceable to NIST through the secondary standard referenced to 3800°F. At 4000° & 4200°F calibrations are compared to values extrapolated from NIST certification using a 6th order polynomial.