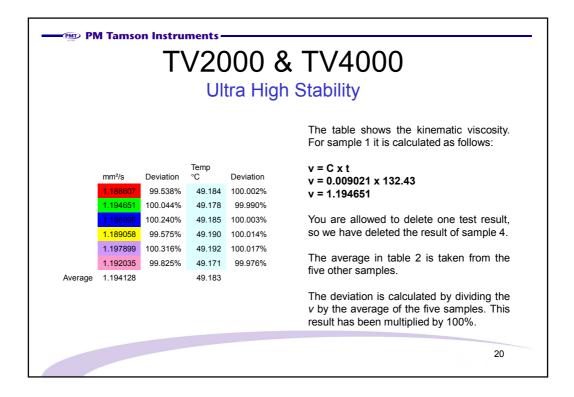
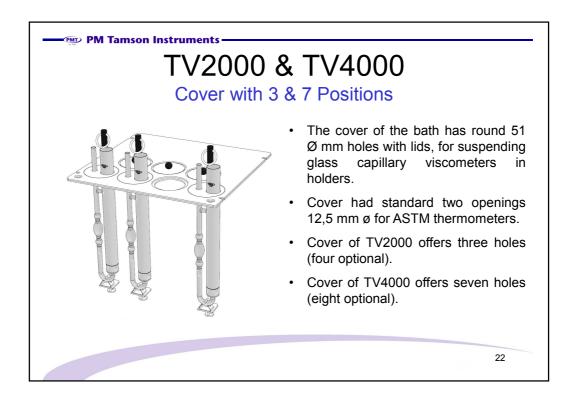
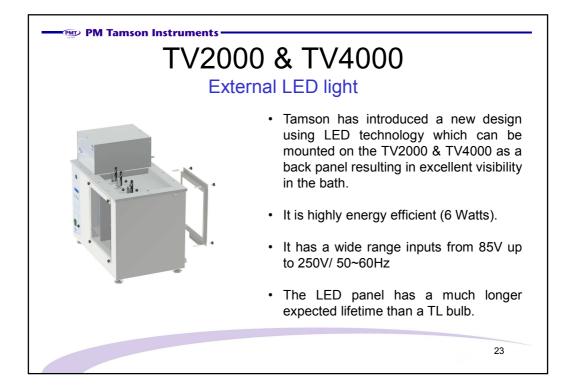


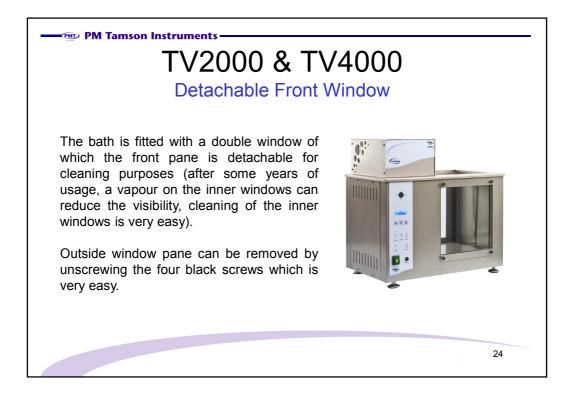
			ПI	hle	emp	erati	ure S	Stability
all	ows quite	a ter	mpera	iture i	nstab	ility. E	But wh	M D2171, the ASTM committee hat is the consequence for the ng by 0.02°C (± 0.01°C)? We have tested six samples using a
	Sample	1	2	3	4	5	6	Ubbelohde viscometer with a constant of 0.009021. The results of the site tests are mentioned in the table.
		132.4	1 1			100 70		
2	Time [sec.]	3	132.69	131.81	131.76	132.79	132.14	Row 2 gives the duration of a
2 3	Time [sec.] Min. Temp. °C		132.69 49.177	131.81 49.172	49.173	49.177	132.14 49.162	Row 2 gives the duration of a measurement in seconds, where the time is measured via two optical infra
		3 49.16					-	measurement in seconds, where the time is measured via two optical infra red sensors.
3	Min. Temp. °C	3 49.16 6 49.19	49.177	49.172	49.173	49.177	49.162	measurement in seconds, where the time is measured via two optical infra

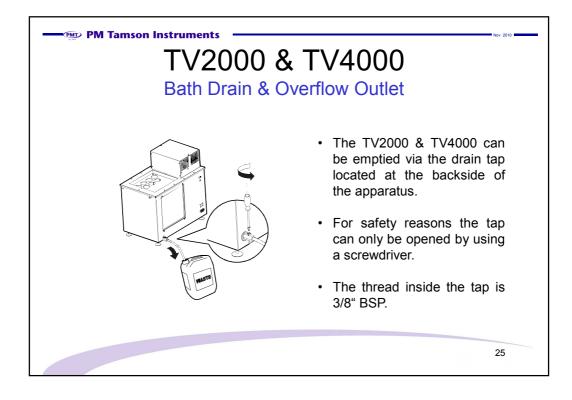


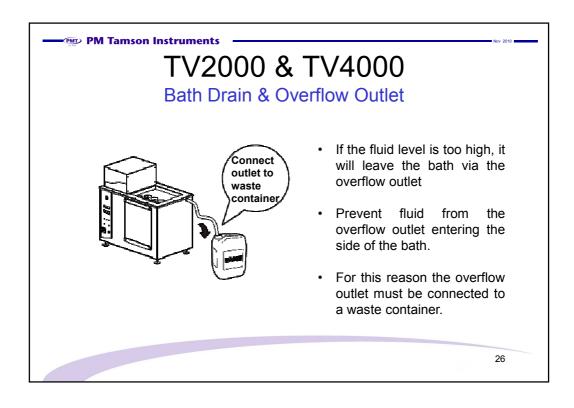
PM Tamson Instr	V20	00 8 ra High	•	4000 lity)
	mm²/s	Deviation	Temp °C	Deviation	
	1.192035	100.316%	49.171	100.017%	
	1.197899	99.825%	49.192	99.976%	
49.171°C = 0.021°C - 99.825% = 0.491	C. And the %! periment,	e deviation we can	n in the n conclude	neasuring e that a	slight temperature
Conclusion: it is conforming to the important that the t the most accurate r	ASTM bath temp	D2170 ar	nd D217	1 method	

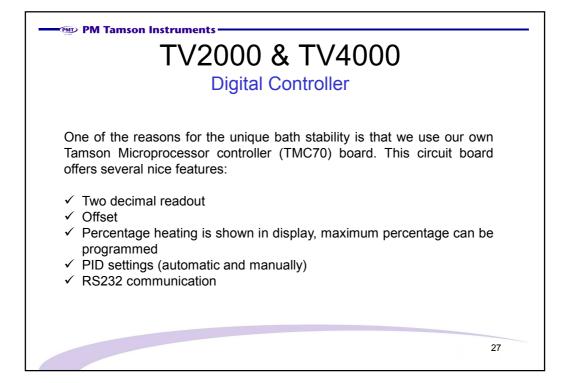


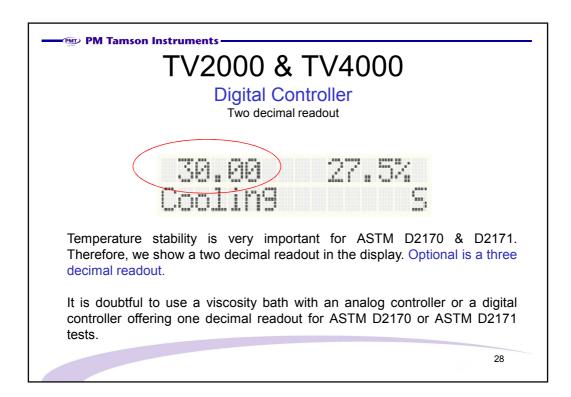


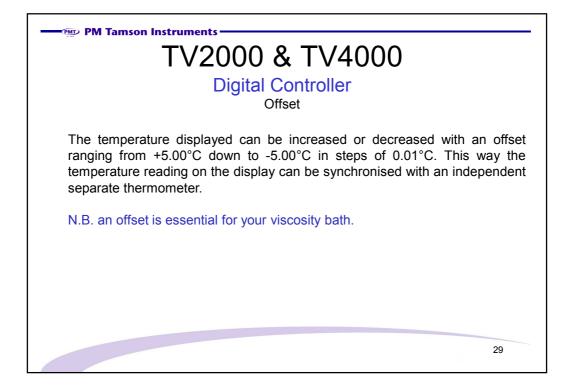


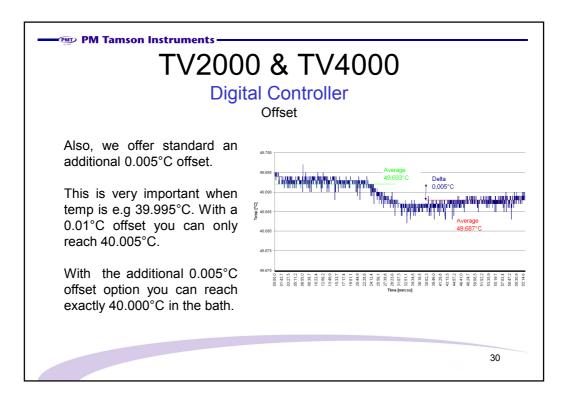












PM Tamson Instruments
TV2000 & TV4000
Digital Controller Percentage Heating Display
 Maximum percentage of heating can be selected in the menu. This maximum power can be selected to prevent overshoot or burning of bath media. Four stages are available: 25%, 50%, 75%, and 100%
 The controller continually calculates the amount of power which should be applied for stable control. The value is displayed with a resolution of 0.1% and ranges from 0% to 99.9%.
 If this percentage is lower than 10%, additional cooling is needed to get precise temperature stability. This is a good explanation as to why the bath temperature is not stable. Other brands don't give you this information.
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