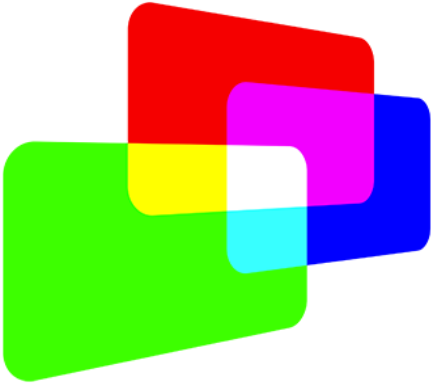


# CalMAN 5

Ultimate Edition  
Display Calibration Software



# ProCal



## ProCal - Gorm Sørensen

Sandshagan 11  
Jessheim, 2067

### Gorm Sørensen

Telefon: +47 41 51 61 71  
epost: gorm@procal.no

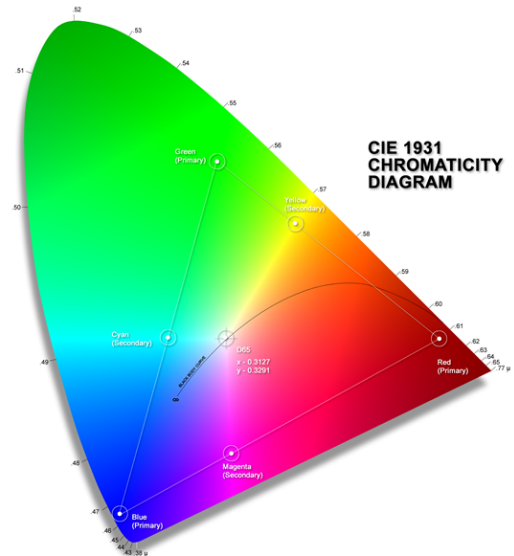
ISF level II certified

THX level II video calibrator

## Samsung UE65KS9500

Telefon:

epost:



## METER Klein Instruments K Series

Manufacturer: Klein Instruments  
Model: K-10  
Meter Serial: 00100003

## SOURCE Murideo SIX-G Generator

Model: Murideo - SIX-G (v1.77 or later)  
Info: Murideo SIX-G Generator 115200 baud

## IMAGE PROCESSOR Direct Display Control

Model: None  
Type:  
Info1:

## CALIBRATION STANDARD

Input Signal Levels NominalLevels: True  
Luminance Response Target GammaFormula: PowerFunction  
Gamma: 2.4  
Color Gamut Target Gamma: D65, HD Rec.709

## Pre Calibration Settings

PictureMode: Film  
ColorTemp: Warm2  
Gamma: -1  
BackLight: 5  
Brightness: 45                      Contrast: 98  
Color: 50                              Tint: 0  
Sharpness: 0

### High

Red	Green	Blue
0	0	0

### Low

Red	Green	Blue
0	0	0

Note: Beste modus: Film

Referanse dim rom 170 nits  
Måling med all dynamisk prosessering "off"

## Post Calibration Settings

Picture Mode: Film  
ColorTemp: Warm2  
Gamma: -1  
BackLight: 6  
Brightness: 45                      Contrast: 94  
Color: 50                              Tint: 0  
Sharpness: 0

### High

Red	Green	Blue
0	-1	-2

### Low

Red	Green	Blue
0	0	4

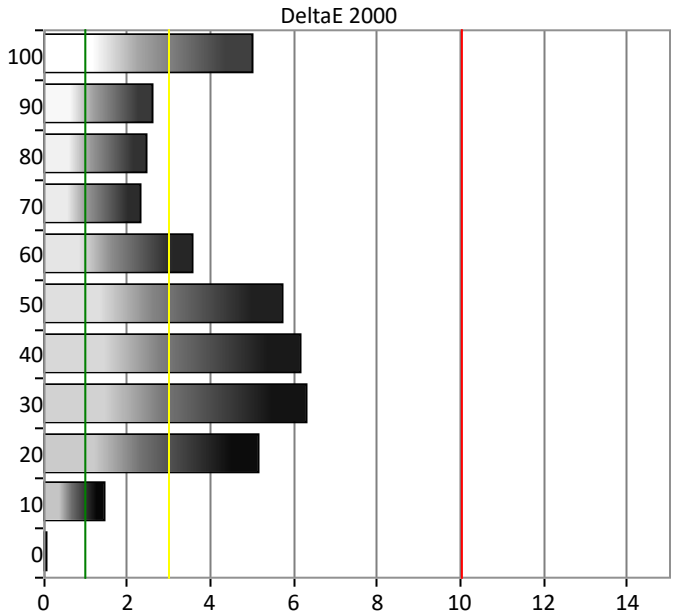
Post note: Dynamisk baklys: Low

Fargerom tilpasset

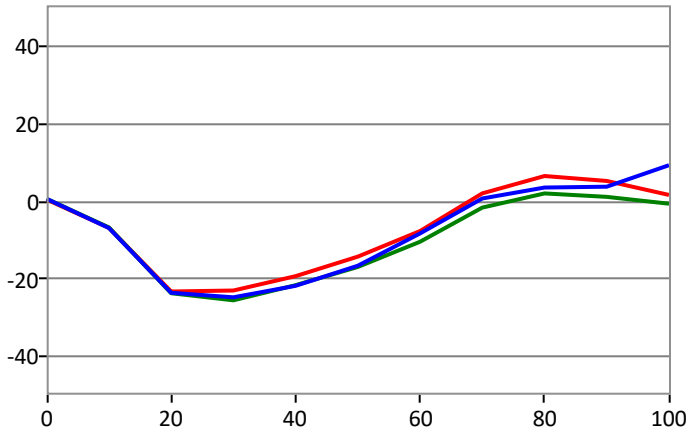
Håpløs skjerm å kalibrere. GUI påvirker målinger, og legger seg hele tiden over målepunktet (midt på skjermen). I tillegg er software upresis, og ikke lineær

## Pre Calibration Results

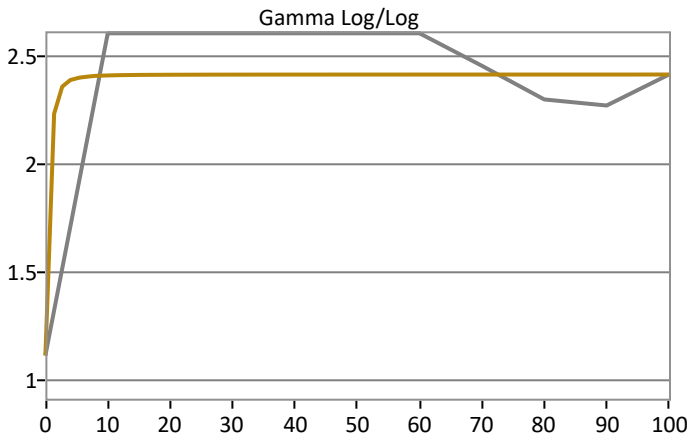
CollectionMax dE2000: 6.3138



RGB Balance

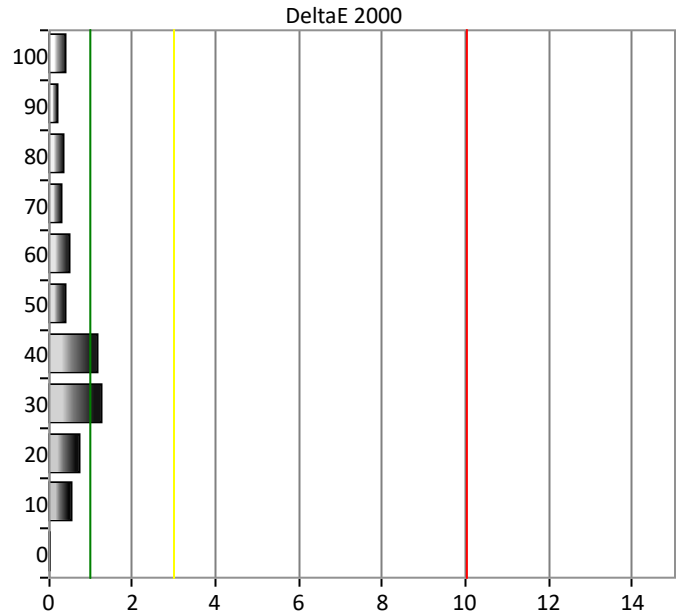


Total Gamma: 2.6727

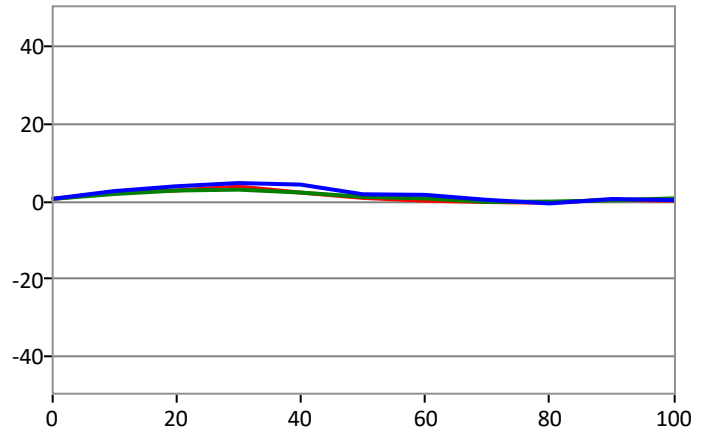


## Post Calibration Results

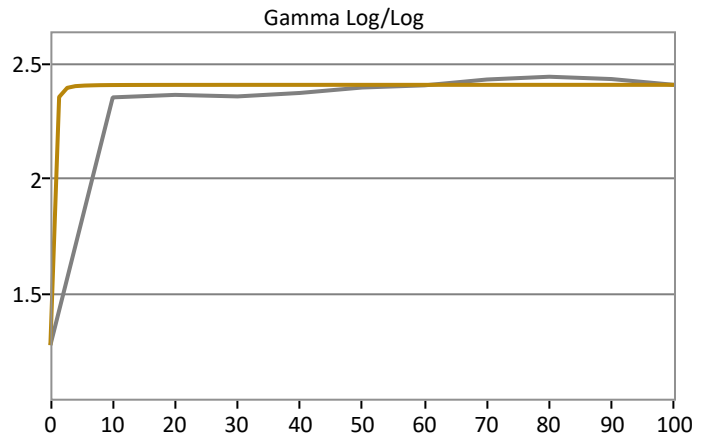
CollectionMax dE2000: 1.2499



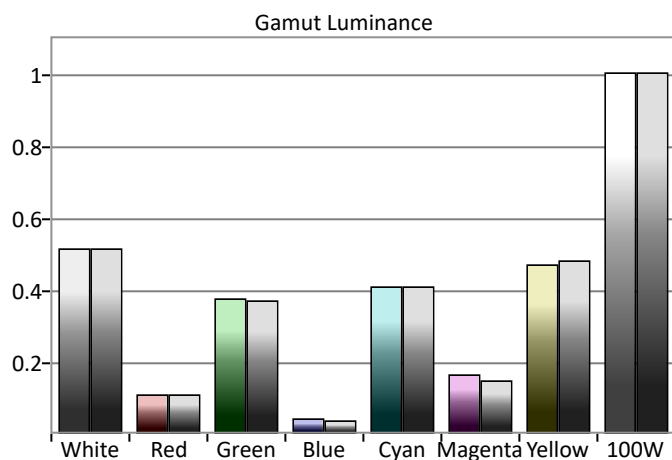
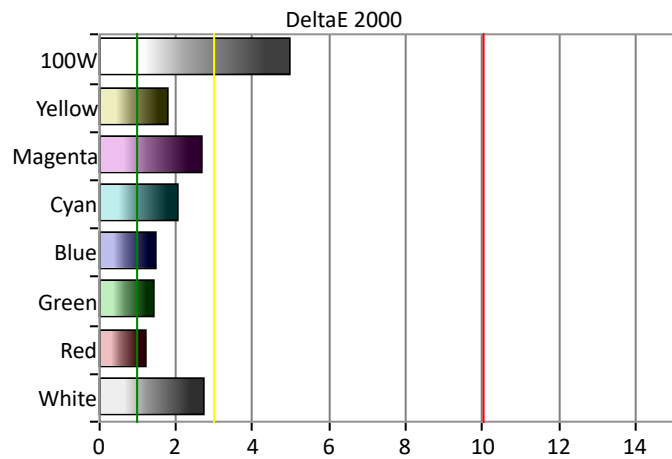
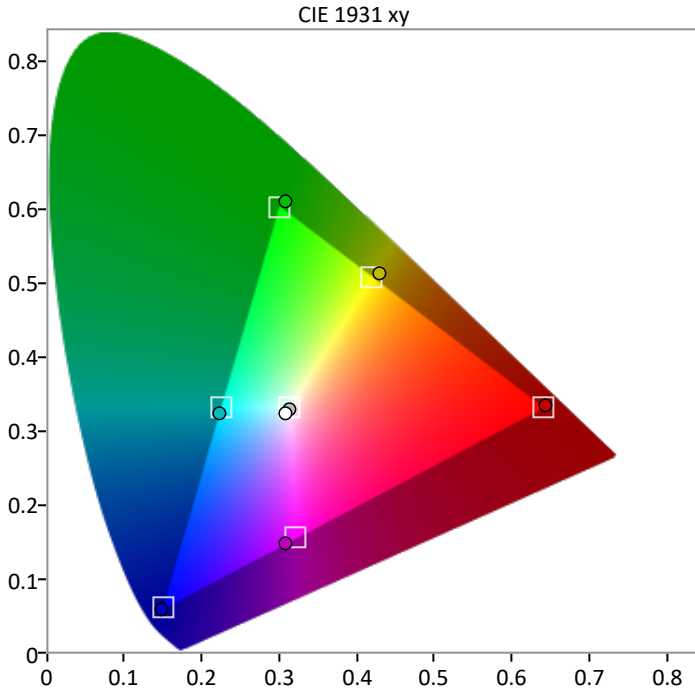
RGB Balance



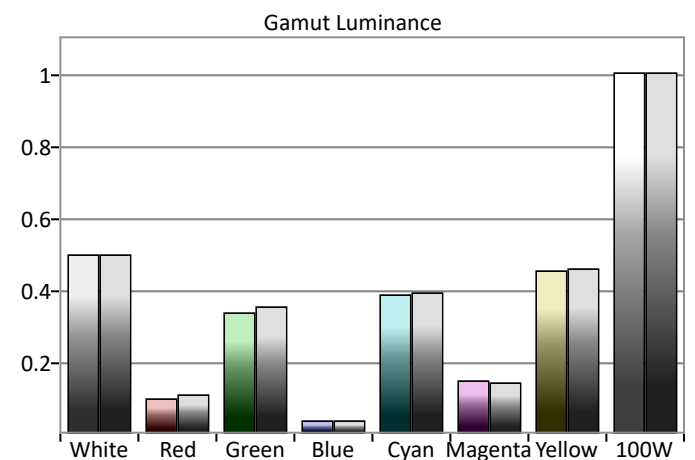
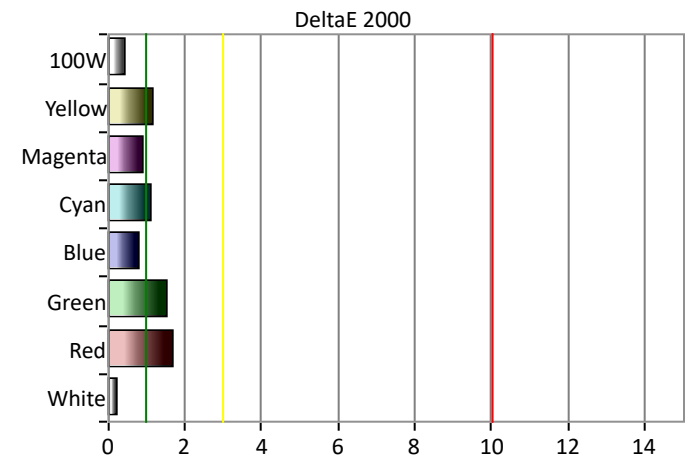
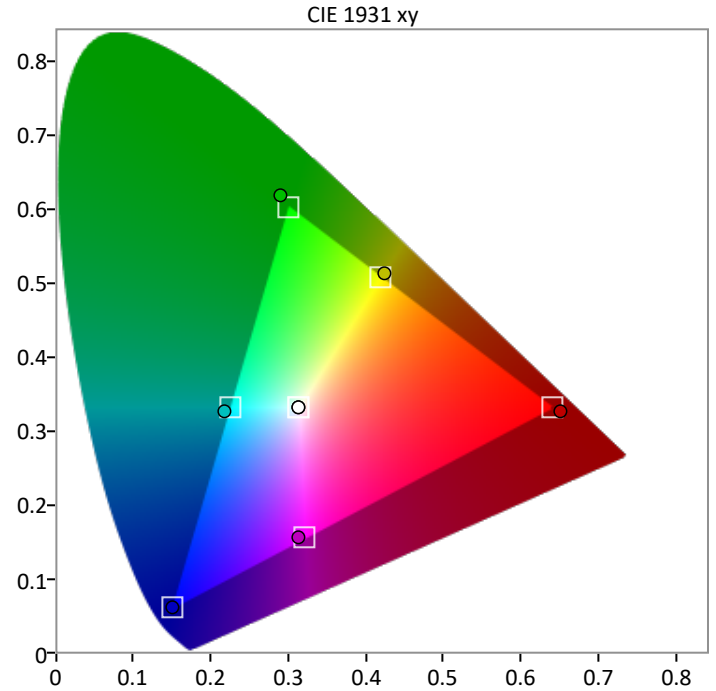
Total Gamma: 2.3874



## Pre Calibration Results



## Post Calibration Results





## Pre Calibration Results

	0	10	20	30	40	50	60	70	80	90	100
x: CIE31	0.190	0.314	0.314	0.316	0.316	0.315	0.313	0.314	0.315	0.314	0.309
y: CIE31	0.328	0.334	0.329	0.327	0.329	0.328	0.326	0.326	0.327	0.326	0.320
Y	0.002	0.068	0.454	1.510	3.758	7.472	12.915	21.182	30.445	40.023	50.822
Target x:CIE31	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313
Target y:CIE31	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329
Target Y	0.002	0.207	1.082	2.859	5.700	9.737	14.808	21.492	29.668	39.420	50.822
CCT	16382.000	6415.000	6453.000	6326.000	6308.000	6360.000	6485.000	6458.000	6394.000	6463.000	6824.000
ΔE 2000	0.093	1.441	5.166	6.314	6.166	5.739	3.593	2.340	2.469	2.593	5.016

	White	Red	Green	Blue	Cyan	Magenta	Yellow	100W
x: CIE31	0.315	0.643	0.307	0.148	0.224	0.308	0.429	0.309
y: CIE31	0.326	0.332	0.608	0.058	0.320	0.147	0.509	0.320
Y	26.192	5.369	19.009	2.093	20.817	8.257	23.884	50.890
Target x:CIE31	0.313	0.640	0.300	0.150	0.225	0.321	0.419	0.313
Target y:CIE31	0.329	0.330	0.600	0.060	0.329	0.154	0.505	0.329
Target Y	26.192	5.570	18.731	1.891	20.622	7.460	24.301	50.890
ΔE 2000	2.715	1.209	1.446	1.461	2.054	2.667	1.795	4.978

## Post Calibration Results

	0	10	20	30	40	50	60	70	80	90	100
x: CIE31	0.166	0.311	0.311	0.311	0.310	0.312	0.311	0.312	0.313	0.313	0.313
y: CIE31	0.311	0.323	0.325	0.325	0.325	0.328	0.328	0.328	0.330	0.329	0.329
Y	0.000	0.248	1.238	3.245	6.292	10.492	15.848	22.786	31.469	42.033	54.336
Target x:CIE31	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313
Target y:CIE31	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329
Target Y	0.000	0.219	1.155	3.055	6.093	10.408	15.830	22.977	31.719	42.145	54.336
CCT	21959.000	6632.000	6651.000	6603.000	6666.000	6562.000	6585.000	6531.000	6494.000	6511.000	6507.000
ΔE 2000	0.023	0.569	0.761	1.250	1.184	0.385	0.490	0.332	0.369	0.232	0.430

	White	Red	Green	Blue	Cyan	Magenta	Yellow	100W
x: CIE31	0.313	0.652	0.291	0.150	0.218	0.315	0.425	0.313
y: CIE31	0.329	0.323	0.615	0.060	0.324	0.153	0.509	0.329
Y	26.867	5.174	18.224	1.795	21.012	7.926	24.397	54.324
Target x:CIE31	0.313	0.640	0.300	0.150	0.225	0.321	0.419	0.313
Target y:CIE31	0.329	0.330	0.600	0.060	0.329	0.154	0.505	0.329
Target Y	26.867	5.713	19.214	1.939	21.153	7.653	24.927	54.324
ΔE 2000	0.249	1.699	1.532	0.790	1.144	0.928	1.153	0.446