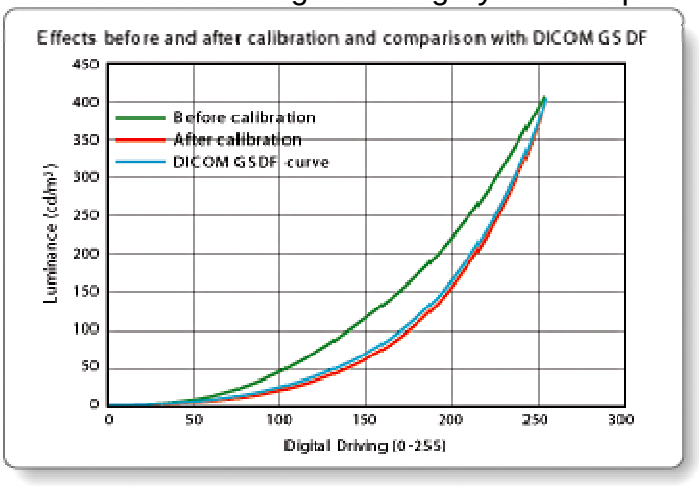
Calibration function to accurately adjust gamma, color temperature, and luminance

Medical image displays are commonly required to display grayscale according to the Grayscale Standard Display Function (GSDF) defined by DICOM Part 14. The calibration function creates the optimum conditions for a medical imaging display by adjusting luminance levels, color temperature, and grayscale characteristics to achieve DICOM GSDF compliant grayscale output.
Models supported: All ME/CCL Series models, except ME183L and CCL192 plus
Note: Calibration requires an optional calibration kit*

How it works

The calibration function corrects the driving level of the LUT (Look-up Table), a memory that specifies the LCD driving, and writes it in the LUT. In other words, calibration adjusts grayscale characteristics, color temperature (color displays only), and luminance.
The luminance for each driving level is corrected such that the resulting curve matches the DICOM GSDF achieving smooth grayscale output.



Graph is for explanatory purpose only.

*** Calibration kit (optional)**

Package contents

Calibration software: Medivisor for i2 Series, Medivisor Grayscale, Medivisor Color, Medivisor for ME201L/ME181L

QA Medivisor
Utility Software for i2 Series
GSDF Checker
Luminance sensor