EQUATIONS

ACCELERATION EQUATION

$$\alpha\ [g] = \frac{\lambda_{ref} - \lambda_{act}}{\beta}$$

Measurand	Description
α [g]	Acceleration
λ_{ref} [nm]	Reference wavelength
λ_{act} [nm] **1	Actual wavelength
β [nm/g]	Acceleration sensitivity

**1) It is recommended to acquire the wavelength using a moving average over a window of about 1second or to use a High-Pass filer to optimize the acquisition.

STRING EXPRESSION

$\alpha = (\lambda_{ref} - \lambda_{act})/\beta$

CALIBRATION COEFFICIENTS

Nr.	Serial number	Customer code	Product	ACCELERATION COEFFICIENTS	
				λ_{ref} [nm]	β [nm/g]
1	223863/0001		SAA-02; +/-30g; WL: 1572,8nm; LCP-03: 2x0,5m, 2x LC/APC	1572,600	0,01070