



LIST OF CALIBRATION COEFFICIENTS

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EQUATIONS

TEMPERATURE EQUATION

$$T = T_{S1} \left(\frac{\lambda_{T,act} - \lambda_{T,ref}}{\lambda_{T,ref}} \right)^2 + T_{S2} \left(\frac{\lambda_{T,act} - \lambda_{T,ref}}{\lambda_{T,ref}} \right) + T_{S3}$$

Measurand	Description
T [°C]	Temperature
$\lambda_{T,act}$ [nm] **1	Actual temp. wavelength
$\lambda_{T,ref}$ [nm]	Reference temp. wavelength
T_{S1} [°C]	Temperature sensitivity 1
T_{S2} [°C]	Temperature sensitivity 2
T_{S3} [°C]	Temperature sensitivity 3

STRING EXPRESSION

Ts1*((λT,act-λT,ref)/λT,ref)^2+Ts2*((λT,act-λT,ref)/λT,ref)+Ts3

**1 Measured value during monitoring of the sensor

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Nr.	Serial number	Customer code	Product	T_{S1} [°C]	T_{S2} [°C]	T_{S3} [°C]	$\lambda_{T,ref}$ [nm]
1	197322/0001		DTP-02; 1521nm, LCP-01: 2,5mtr Dyneema, 1x FC/APC	-1,48913E+06	5,26424E+04	2,25012E+01	1520,855327