

Type Examination Certificate

for Electrical Equipment used in Potentially Explosive Atmosphere

Issued by Eurofins E&E CML Limited, Newport Business Park, New Port Road, Ellesmere Port CH65 4LZ, UK		
Applicant	Calex Electronics Ltd Leedon House, Billington Road, Leighton Buzzard, LU7 4TN, UK	
Manufacturer name	Calex Electronics Ltd Leedon House, Billington Road, Leighton Buzzard, LU7 4TN, UK	
Product name	Infrared Temperature Sensor	
Type/model code	ExTemp Series (OSAT Series) See attachment 1 for details.	
Type of protection	Intrinsically Safe	
Group, Temperature Class and EPL	IIC, T4, Ga, IIIC, T135°C, Da	
The equipment shall be marked with the following	Ex ia IIC T4 Ga Ex ia IIIC T135°C Da Ta = -20°C to 70°C	
Ratings	See attachment 2	
Special condition for safe use	None	
Certificate number	CML 23JPN2141	
Term of validity	From 17-04-2023 to 16-04-2026	
	From 17-04-2026 to 16-04-2029	

This is to certify that the equipment specified above complies with the requirements stipulated in Ordinance on Examination of Machines and Other Equipment of the Ministry of Health, Labour and Welfare, Japan.

Issue date: 17-04-2026

Signature of chief examiner:



Attachment 1: Type/model code

The ExTemp Series (alternatively known as OSAT Series) is supplied in a number of configurations defined by the model number,

EX-FFF-TT-C-LL-XXX or OSAT-FFF-TT-C-LL-XXX

Where

EX or OSAT = name of series

FFF = Field of view

TT = Measurement temperature range

C = Configurable

LL = Cable length

XXX = Other options

There are no differences between models prefixed with 'EX-' or 'OSAT-'.

Attachment 2: Ratings

$U_i = 28V$

$I_i = 93mA$

$P_i = 0.651W$

$C_i = 8nF$

$L_i = 0$