

Type Examination Certificate

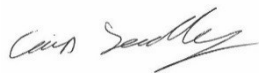
for Electrical Equipment used in Potentially Explosive Atmosphere

Issued by Eurofins E&E CML Limited, Newport Business Park, New Port Road, Ellesmere Port CH65 4LZ, UK		
Applicant	WIKA Japan LTD. MG Shibaura Bldg. 6F 1-8-4, Shibaura Minato-ku, Tokyo 1050023, Japan	
Manufacturer name	Euromisure Wika Instruments Sas di WIKA Italia Srl Viale De Gasperi, 48, Bareggio (MI) 20010, Italy	
Product name	Pressure and Temperature switch	
Type/model code	Performance line, Compact line, Mini line See attachment 1	
Type of protection	Intrinsic safety	
Group, Temperature Class and EPL	IIC, IIIC, T6, T4, T85°C, T135°C, Ga, Da	
The equipment shall be marked with the following	Ex ia IIC T6/T4 Ga Ex ia IIIC T85°C/ T135°C Da See attachment 2	
Ratings	See attachment 2	
Special condition for safe use	See attachment 3	
Certificate number	CML 24JPN2010X	
Term of validity	From 25-03-2024 to 24-03-2027	

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: 25-03-2024

Signature of chief examiner:



Attachment 1: Model code

Pressure and Temperature switch

- Performance line
- Compact line
- Mini line

Line	Models	Measured variable	Characteristics
Performance	MW*	Relative pressure	Sensing element: diaphragm or piston
	BWX*		Sensing element: bourdon tube
	DW*	Differential pressure	Sensing element: differential cell
	DW03UN		
	APW*	Absolute pressure	Sensing element: differential cell
	TWH*	Temperature	Sensing element: diaphragm
	TWG*		Sensing element: bourdon tube
Compact	PCS2*/PCS3* (Al enclosure)	Pressure	Sensing element: diaphragm or piston
	PCS4*/PCS5* (Stainless steel enclosure)		
	DC**2* (Al enclosure)	Differential pressure	Sensing element: diaphragm or piston
	DC**4* (Stainless steel enclosure)		
	TCS2*/TCS3* (Al enclosure)	Temperature	Sensing element: to diaphragm
	TCS4*/TCS5* (Stainless steel enclosure)		
Mini	PXS	Pressure	Sensing element: diaphragm or piston
	TXS	Temperature	Sensing element: diaphragm

Attachment 2: Ratings

Electrical Parameters

The maximum input characteristics of the equipment are:

Ui (V)	Ii (mA)	Pi (W)	Li (mH)	Ci (μF)
30	100	0.75	0	0

Ambient temperature

PXS series pressure switch	-50°C to +85°C
TXS series temperature switch	-50°C to +85°C
All other models	-60°C to +85°C

Process temperature

Pressure switch:

T Class	Max ambient	*Max process temperature
T6	+60°C	+60°C
T5		
T4		
T3	+85°C	+85°C
T2		
T1		

* Media temperature at the process connection of the instrument.

Temperature switch:

Models equipped with stem for direct mounting:			
T Class	Max ambient	Max working temp (T max.)	Max current (resistive load)
T6	+60°C	Shall not exceed maximum temperature specified on the nameplate	5A @ 28V dc 5A @ 250V ac
T5			
T4	+85°C		
T3			
T2			
T1			

Models equipped with stem for remote mounting & equipped with helical bulb:		
T Class	Max ambient	Max current (resistive load)
T6	+60°C	See name plate (dependent on microswitch selected)
T5		
T4	+85°C	
T3		
T2		
T1		

Attachment 3: Special conditions

- i. The equipment of the "Compact" line and "Mini" line made in aluminium light alloy shall be installed to be protected against frictions and impacts.