



# eurofins



## 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	Ntron Ltd. Mullaghboy Industrial Estate, Navan, County Meath, Ireland
Manufacturer name	Ntron Ltd. Mullaghboy Industrial Estate, Navan, County Meath, Ireland
Product name	Oxygen sensor
Type/model code	Minox-i
Type of protection	Intrinsic safety
Group, Temperature Class and EPL	IIC and IIIC, T4 and T135°C, Ga and Da
The equipment shall be marked with the following	Ex ia IIC T4 Ga Ex ia IIIC T135°C Da
Ratings	See attachment 1
Special condition for safe use	None
Certificate number	<b>CML 22JPN2496</b>
Term of validity	From 14-09-2022 to 13-09-2025 

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: 14-09-2022

Signature of chief examiner:

**Attachment 1: Ratings**

$-20^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$

$U_i = 28\text{V}$

$I_i = 93\text{mA}$

$P_i = 0.65\text{W}$  Resistively limited, i.e.  $300\ \Omega$  barrier resistance.

$C_i = 12\text{nF}$

$L_i = 705\mu\text{H}$