

## For Europe

EyeCGas® is certified for Ex II 3G EX nL IIC T6

According to ATEX ratings for use in potentially explosive atmospheres:

EN60079-0:2009: Electrical apparatus for explosive gas atmosphere – Part 0: General Requirements

EN60079-15:2005: Electrical apparatus for explosive gas atmosphere – Part 15: Construction, test and marking of type of protection “n” electrical apparatus

Marking element	Examples of possible values
Equipment Group	I Mines II Above ground
Equipment Category	1 Gas, Vapor, Mist, Dust – Two Faults 2 Gas, Vapor, Mist, Dust – one Faults 3 Gas, Vapor, Mist, Dust – Normal Operation
EX	Explosion protection
Protection concept	nc Hermetic sealing, keep flammable gas out ia Intrinsically safe, limit energy of sparks & temp pz Pressurized, keep flammable gas out nL Energy limited nC Flame proof, contain the explosion
Gas Group	Gases are grouped based on MESG - Maximum Experimental Safe Gap (IEC 60079-1A) and the MIC - Minimum Ignition Current (IEC 60079-3) II Gas/Vapor (broken in IIA, IIB, IIC) III Dust (broken in IIA, IIB, IIC)
Temperature Classification	The equipment Maximum surface Temp. (T6 is the most stringent, as T6 covers T1-T5) T1 - 450°, T2 - 300°, T3 - 200°, T4 - 135°, T5 - 100°, T6 - 85°

EyeCGas® Certification:							Ex II 3G EX nL IIC T6
II	3	G	EX	nL	IIC	T6	
							<p><b>T6</b> Device surface temperature will not exceed 85° T6 marked equipment can be used in T5 – T1 (100° - 450°)</p> <p>Protected for gases of Gas group IIC that includes groups IIA &amp; IIB Typical gases for the different groups are:</p> <p><b>IIC</b> II A Acetic Acid, Acetone, Ammonia, Butane, Ethanol, Kerosene, Methane (Natural Gas), Methanol, Propane, Iso-propyl alcohol, Toulene, Xylene II B Ethylene, MEK, n-propyl alcohol, THF II C Acetylene, Hydrogen</p> <p><b>nL</b> Type of protection code 'nL' energy limited</p> <p><b>EX</b> Explosion-protected equipment, certified to European ATEX</p> <p><b>G</b> Gas</p> <p><b>3</b> Normal protection Category 2 (non-mining) for Zone 2 (normal protection)</p> <p><b>II</b> Group II "other" environments (chemical industries, refineries, etc.)</p>