

**Nematron ATEX Markings**  
**1-April-2015**  
**Reference IEC 60079-0, cl. 29 and -15, cl. 24**

M-Series and iPC-Series	nPC300
 II 3G Ex ic nA IIC T4 Gc IP66 II 3D Ex tc IIIC T67°C Dc IP66 $0^{\circ}\text{C} \leq T_{\text{AMB}} \leq 55^{\circ}\text{C}$ CERT #: DEMKO 14 ATEX 1374X	 II 3G Ex nA IIC T4 Gc $0^{\circ}\text{C} \leq T_{\text{AMB}} \leq 55^{\circ}\text{C}$ CERT #: DEMKO 14 ATEX 1374X

Zone 2	II	= ATEX Equipment Group II
	3G	= Zone 2 (gas and vapors)
	Ex	= Indicates that electrical equipment corresponds to one or more of the types of protection.
	iC	= Intrinsic safety (units with front panels only) Does not apply to nPC300
	nA	= 'non-sparking'
	IIC	= Atmosphere Group IIC = Gases, Vapors, and Mists. IIC indicates that IIA and IIB are also included.
	T4	= Temperature code for maximum surface temperature on or within the equipment. $T4 \leq 135\text{ C}$
	Gc	= Equipment Protection Level, or EPL (non-sparking in normal operation)

Zone 22	II	= ATEX Equipment Group II
	3D	= Zone 22 (dusts) (see Note 1)
	Ex	= Indicates that electrical equipment corresponds to one or more of the types of protection.
	tc	= Protection by use of an enclosure
	IIIC	= Atmosphere Group IIIC = combustible dust and is a superset of IIIA (combustible flyings) and IIIB (non-conductive dust). Group IIIC rating includes Group IIIA and IIIB.
	T67°C	= Temperature code for maximum surface temperature on the outside of the device (bezel/screen). Measured temperatures = $67^{\circ}\text{C}$
	Dc	= EPL, or Equipment Protection Level per IEC 60079-0, cl. 3.26.8

Common to Both	IP66	= Ingress Protection Level, IP66 = Dust tight and watertight from powerful jets (Front Panel when mounted correctly), per IEC 60529 Index of Protection for enclosure (Does not apply to nPC300)
	$0^{\circ}\text{C} \leq T_{\text{AMB}} \leq 55^{\circ}\text{C}$	= Rated operating temperature range
	DEMKO 14 ATEX 1374X	= Certificate number with "X" suffix. X = Separate instructions are provided that must be followed (see Note 2)

**Notes:**

1. Zone 22 does not apply to the nPC300. The nPC300 can be used in Zone 22 installations but must be entirely enclosed by an ATEX Zone 22 approved enclosure providing the nPC300 with a Pollution Degree 2 or better environment as defined in IEC/EN 60664-1.
2. Reference DEMKO 14 ATEX 1374X Certificate "Special Conditions for Safe Use".