

Translation
1. SUPPLEMENT

to Certificate No.	TÜV 14 ATEX 142076
Equipment:	Ex-Separator-Module type iXT0-xxx and type iXT0 xxx
Manufacturer:	NIVUS GmbH
Address:	Im Täle 2 75031 Eppingen
Order number:	8000444554
Date of issue:	2015-09-17

In the future, the Ex-Separator-Module type iXT0-xxx (type designation with new transformer: iXT0 xxx) may also be manufactured according to the documents listed in the Test Report.

The following changes relevant for the explosion protection were performed:

- New transformer for safe galvanic separation inclusive of input/output circuitries
- Change of optoelectric couplers with component for power limitation
- Additional "low cost" variant of the apparatus
- Change at some further components
- Change at the circuitry for HART data transmission and change of electrical data for the 2 wire analogous sensor circuit:

Electrical data

2 wire analogous sensor circuit in type of protection Intrinsic Safety Ex ib IIB
 (Terminals X4, 6/7 [optional with HART]; X6, 6/7) Maximum values per circuit:
 $U_o = 25.4 \text{ V}$
 $I_{o, \text{stat.}} = 89.2 \text{ mA}$
 $I_{o, \text{dyn.}} = 273 \text{ mA}$
 $P_o = 567 \text{ mW}$
 characteristic line: linear

max. permissible external inductance	0.51 mH	0.2 mH	0.1 mH	0.05 mH
max. permissible external capacitance	400 nF	580 nF	740 nF	810 nF

All other details remain unchanged.

The equipment incl. of this supplement meets the requirements of these standards:

EN 60079-0:2012 EN 60079-11:2012

(16) The test documents are listed in the test report No. 15 203 156295.

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(17) Special conditions for safe use

none

(18) Essential Health and Safety Requirements

no additional ones

TÜV NORD CERT GmbH, Langemarckstraße 20, 45141 Essen, notified by the central office of the countries for safety engineering (ZLS), Ident. Nr. 0044, legal successor of the TÜV NORD CERT GmbH & Co. KG Ident. Nr. 0032

The head of the notified body

A handwritten signature in blue ink, consisting of several bold, sweeping strokes that form a stylized name.

Meyer

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