



Level



Pressure



Flow



Temperature



Liquid  
Analysis



Registration



Systems  
Components



Services



Solutions

Safety Instructions


# Conductive Limit Detection 11362Z, 11363Z

Ex ia IIC T6-T4

NEPSI GYJ13.1132X



**en** - Document: XA01094F-A  
Safety instructions for electrical apparatus for explosion-hazardous areas  
→  3

**zh** - 文档: XA01094F-A  
爆炸环境中电气仪表的安全指南  
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# Conductive Limit Detection

## 11362Z, 11363Z

english

**Associated Documentation**

This document is an integral part of the following Operating Instructions:  
TI00121F/00, TI00122F/00

The Operating Instructions which are supplied and correspond to the device type apply.

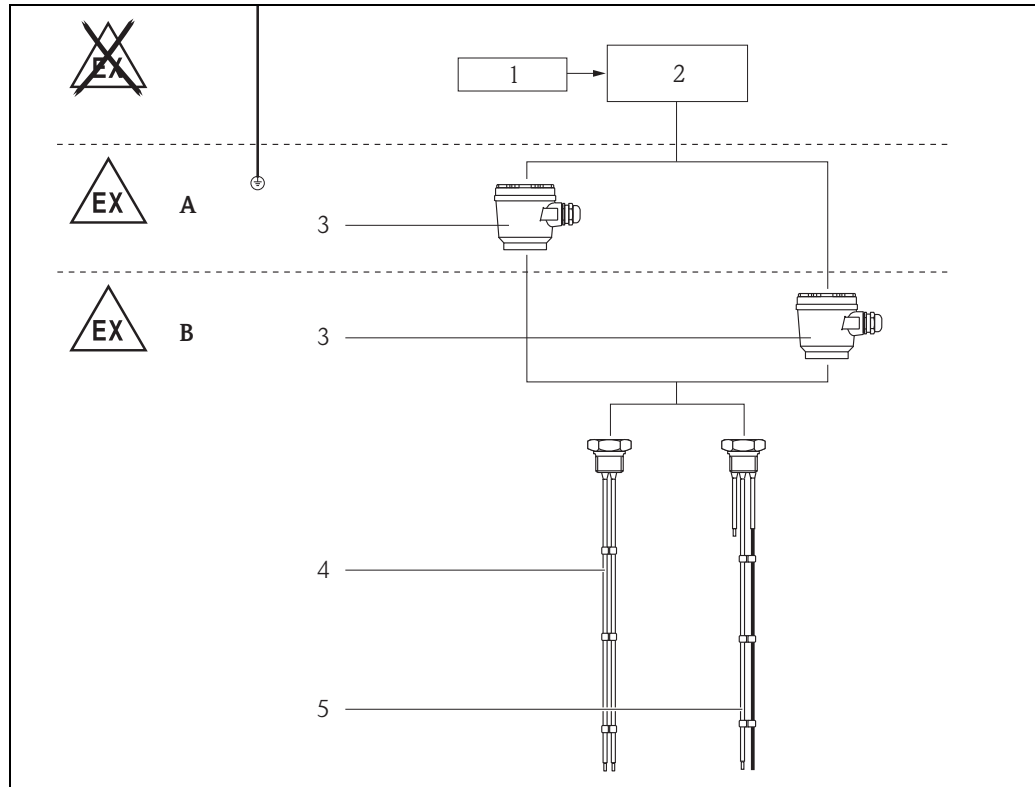
**Designation**

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**Designation of explosion protection****Ex ia IIC T6-T4****Applied standards**

**GB 3836.1-2010**  
**GB 3836.4-2010**  
**GB 3836.20-2010**

**Safety instructions:  
Installation**



1

**A** Zone 1

**B** Zone 0

1 Power supply

2 Certified associated apparatus (e.g. FTW325)

3 Housing Type E in Zone 1 or Zone 0:

- Aluminium housing
- Coated aluminium housing

4 Level probe 11362Z

5 Level probe 11363Z

- Install the device according to the manufacturer's instructions and any other valid standards and regulations.
- The level probe is to remain mounted during all statutory pressure tests of the vessel.
- The maximum permissible temperatures for the process medium are listed in the table.
- For installation, use and maintenance of the device, users must also observe the requirements stated in the Operating Instructions and the standards:
  - GB50257-1996: "Code for construction and acceptance of electric device for explosion atmospheres and fire hazard electrical equipment installation engineering".
  - GB3836.13-2000: "Electrical apparatus for explosive gas atmospheres, Part 13: Repair and overhaul for apparatus used in explosive gas atmospheres".
  - GB3836.15-2000: "Electrical apparatus for explosive gas atmospheres, Part 15: Electrical installations in hazardous area (other than mines)".
  - GB3836.16-2006: "Electrical apparatus for for explosive gas atmospheres, Part 16: Inspection and maintenance of electrical installation (other than mines)".

**Safety instructions:**  
**Zone 0**

- Only operate devices in potentially explosive vapour/air mixtures under atmospheric conditions:  
–20 °C ≤ T ≤ +60 °C  
0.8 bar ≤ p ≤ 1.1 bar  
If no potentially explosive mixtures are present, the transmitters may be operated under other atmospheric conditions in accordance with the manufacturer's specifications.
- Install the device to exclude any mechanical damage or friction during the application. Pay particular attention to flow conditions and tank fittings.

**Temperature tables**

| Type              | Temperature class | Maximum fluid temperature |
|-------------------|-------------------|---------------------------|
| 11362Z,<br>11363Z | T6                | ≤ 85 °C                   |
|                   | T5                | ≤ 100 °C                  |
|                   | T4                | ≤ 135 °C                  |



# 导电限位检测 11362Z , 11363Z

中文

## 相关资料

本文档是下列操作手册的组成部分：  
TI00121F/00, TI00122F/00

根据用户订购仪表的具体型号所提供的相应操作手册。

## 名称

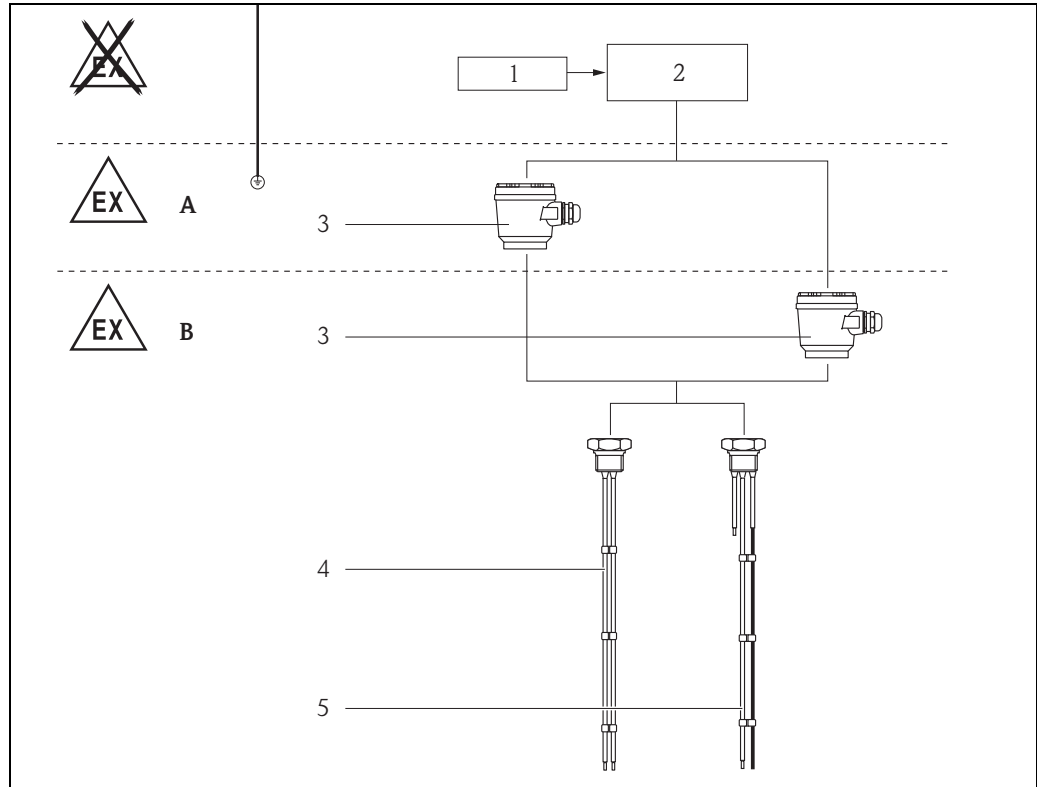
防爆代号

Ex ia IIC T6-T4

## 适用标准

GB 3836.1-2010  
GB 3836.4-2010  
GB 3836.20-2010

安全指南：  
安装



1

A 区域 1

B 区域 0

1 电源

2 认证的关联设备 (如 FTW325)

3 外壳类型 E, 在区域 1 或区域 0 中:

- 铝制外壳

- 镀铝外壳

4 液位探针 11362Z

5 液位探针 11363Z

- 按照制造商的说明及其它有效标准和规定来安装设备。
- 在容器的所有法定压力测试过程中，无需拆下该液位探针。
- 过程介质的最大允许温度见下表。
- 在安装、使用和维护设备时，用户必须遵守操作手册和下列标准中规定的要求：
  - GB50257-1996：“电气装置安装工程 爆炸和火灾危险环境电气装置施工及验收规范”。
  - GB3836.13-2000：“爆炸性气体环境用电气设备，第 13 部分：爆炸性气体环境用电气设备的检修”。
  - GB3836.15-2000：“爆炸性气体环境用电气设备，第 15 部分：危险场所电气安装 (煤矿除外)”。
  - GB3836.16-2006：“爆炸性气体环境用电气设备，第 16 部分：电气装置的检查和维护 (煤矿除外)”。



**安全指南：**  
**区域 0**

- 只有在下列大气条件下才能在有爆炸可能的蒸汽 / 空气混合物中操作设备：  
 $-20\text{ °C} \leq T \leq +60\text{ °C}$   
 $0.8\text{ bar} \leq p \leq 1.1\text{ bar}$   
 如果不存在可能爆炸的混合物，则变送器可在符合制造商技术规范的其他大气条件下运行。
- 仪表的安装方式应避免在应用期间遭受任何机械损坏或磨损。尤其要注意流量状况和液罐装置。

**温度表**

| 类型                | 温度组别 | 流体最高温度               |
|-------------------|------|----------------------|
| 11362Z,<br>11363Z | T6   | $\leq 85\text{ °C}$  |
|                   | T5   | $\leq 100\text{ °C}$ |
|                   | T4   | $\leq 135\text{ °C}$ |





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XA01094F-A/00/B2/01.13  
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