



No. 2014-015012-02

# 안전인증서

## Certificate of Safety

YOUNG TECH Co., Ltd.

3022, Hagun-ri, Yangchon-myeon, Gimpo-si, Gyeonggi-do, Korea

The following product manufactured by the above company has been authorized for the use of safety certification mark as the product has satisfied the safety and health requirements under Article 34 of OCCUPATIONAL SAFETY AND HEALTH ACT and paragraph 4 of Article 58-4 of ENFORCEMENT ORDINANCE OF the same ACT.

### Electrical Equipment

Smart Positioner

### Model (Marking) / Certificate No.

YT-3350+LS(Non-contact) (Ex ia IIC T5/T6 Gb,  
Ex iaD IIIC T100°C/T85°C Db) / 14-KB2BO-0334X

### Applied standards

Announcement No. 2013-54 of Ministry of Employment and Labor

### Conditions of Certification

- 1. Manufacturing location(s)** : This certificate is only valid for the specified products produced at '3022, Hagun-ri, Yangchon-myeon, Gimpo-si, Gyeonggi-do, Korea'.
- 2. Description of equipment**
  - Input Main 4~20mA+HART(option), Output PTM 4~20mA(option), 2 Non-contact Limit SW(option)
  - Electrical Safety Parameters
    - Main:  $U_i=28V$ ,  $I_i=93mA$ ,  $P_i=651mW$ ,  $L_i=0.3mH$ ,  $C_i=0.6nF$ ,  $C_{LGND}=2.2nF$
    - PTM:  $U_i=28V$ ,  $I_i=93mA$ ,  $P_i=651mW$ ,  $L_i=0.3mH$ ,  $C_i=0.6nF$ ,  $C_{LGND}=2.2nF$
    - 2 Non-contact Limit SW:  $U_i=16V$ ,  $I_i=25mA$ ,  $P_i=34mW$ ,  $L_i=50\mu H$ ,  $C_i=30nF$
  - Ambient Temperature :  $-40^\circ C \sim +60^\circ C$  (for T5/T100°C),  $-40^\circ C \sim +40^\circ C$  (for T6/T85°C)
- 3. Scope of certification** : This certificate is only valid for the models as above.
- 4. Special conditions for safe use**
  - Do not use in Zone 0 (EPL Gb, Db)
  - Refer to instructions for the installation.
- 5. Details of certificate changes** : None
- 6. Details of the others** : Manufacturer shall take the responsibility including maintaining quality requirements for the certified products, receiving factory surveillance and informing any changes to the certified products.

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## 한국산업기술시험원장

KOREA TESTING LABORATORY

