

(1) EU-TYPE EXAMINATION CERTIFICATE



- (2) Equipment and Protective Systems intended for use in Potentially Explosive Atmosphere - **Directive 2014/34/EU**
- (3) EU-Type Examination Certificate Number

TÜV 17 ATEX 8130

Issue: 00

- (4) Equipment: **Side Mounting Float Switch**
Type(s): **FF7 series**
- (5) Manufacturer: **Finetek Co., Ltd.**
- (6) Address: **No. 16, Tzuchiang St., Tucheng Industrial Park, New Taipei City, 23678, Taiwan**
- (7) This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- (8) The TÜV Rheinland Zertifizierungsstelle für Explosionsschutz of TÜV Rheinland Industrie Service GmbH, Notified Body No. 0035 in accordance with Article 21 of the Council Directive 2014/34/EU of 26th February 2014, certifies this product which has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmosphere, given in Annex II to the Directive.
- The examination and test results are recorded in the confidential report GC/Ex8130.00/17
- (9) Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

EN 60079-0:2012/A11:2013

EN 60079-1:2014

EN 60079-31:2014

- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.
- (11) This EU-Type Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover the process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.
- (12) The marking of the equipment shall include the following:



II 2G Ex d IIB T4 or T5 or T6 Gb

II 2D Ex tb IIIC T135°C or T100°C or T80°C Db

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2018-06-04

Dipl.-Ing. Klauspeter Graff

This EU-Type Examination Certificate without signature and stamp shall not be valid.
This EU-Type Examination Certificate may be circulated only without alteration. Extracts or alterations are subject to approval by the TÜV Rheinland Industrie Service GmbH TÜV Rheinland Group Am Grauen Stein 51105 Köln
Tel. +49 (0) 221 806-0 Fax. + 49 (0) 221 806 114

(13) Annex

(14) **EU Type Examination Certificate**
TÜV 17 ATEX 8130 Issue: 00

(15) Description of equipment

15.1 Equipment and type:

Side Mounting Float Switch
Type(s): FF7 series

15.2 Description

General product information

The Side Mounting Float Level Switch uses the up and down movement of a float for determining liquid levels. A change of liquid level correspondingly travel the float to extreme levels up and down. The reed switch is thus "NC" and "NO" exchanged as well as the permanent magnet on pivot will have mutual repulsion to the other one inside the housing for like poles, which the micro switch is button pushed by magnet to states "NC" and "NO" exchanging likewise.

The temperature class and the maximum surface temperature depend on the temperature of the medium. The protection degree of enclosure is IP65.

The equipment is certified by PTB in accordance with ATEX directive, certificate no. PTB 05 ATEX 1025. We receive the technical documentation from PTB to issue the new ATEX certificate based on the assessment of PTB.

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Type code:

Model **FF**

70 : Explosion Proof Thread Type
 71 : Explosion Proof Flange Type
 73 : Explosion Proof Square Flange Type
 74 : Explosion Proof Double Angle Type
 75 : Explosion Proof Vertical Mounting Type

Float Spec _____
 B : Ø 75 x 120 (Pressure 10kg/cm² S.G.0.25)
 C : Ø 41 x 150 (Pressure 15kg/cm² S.G.0.65)
 D : Ø 50 x 150 (Pressure 30kg/cm² S.G.0.55)
 G : Ø 41 x 125 (Pressure 15kg/cm² S.G.0.7)
 H : Ø 41 x 100 (Pressure 15kg/cm² S.G.0.8)

Connection _____
 E : 1-1/2" (40A) M : 5kg/cm² W : PN10 (10 Bar)
 F : 2" (50A) N : 10kg/cm² X : PN16 (16 Bar)
 G : 2-1/2" (65A) O : 150Lbs Y : PN25 (25 Bar)
 H : 3" (80A) P : 300Lbs Z : PN40 (40 BAR)
 I : 4" (100A) Q : PT
 J : 5" (125A) R : PF(G)
 K : 6" (150A) T : BSP
 L : 92x92 U : NPT
 S : Others

Lenght (UNIT : mm) _____

Test Accessory _____

Material _____
 Without: SUS304 6: SUS316 9: SUS316L

Technical Data

Ambient Temperature: -20°C to +70°C

Contact Capacity: 3A / 250VAC, SPDT

IP Degree: IP65

(16) Test-Report No. GC/Ex8130.00/17

(17) Special Conditions for safe use

N/A

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(18) Basic Safety and Health Requirements

Covered by afore mentioned standard

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

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