

EQUIVALENCE OF REFERENCES

INML

The float switch for ATEX installations distributed for DISIBEINT ELECTRONIC SL with the reference

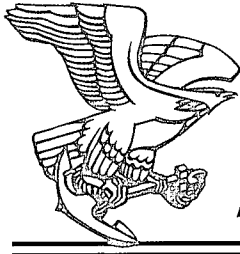
INML 10..., INML 20...

has been referenced as

FF1..., FF2..., FF4..., FF5..., FF7..., FF9...

to obtain the relevant certificates.

This is to confirm the veracity of the certificates attached to this document.



CERTIFICATE NUMBER

05-TM131094/1-PDA

DATE

05 September 2008

ABS TECHNICAL OFFICE

Taipei Engineering Services

CERTIFICATE OF Design Assessment

This is to Certify that a representative of this Bureau did, at the request of
FINETEK CO., LTD.

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate. It will remain valid as noted below or until the Rules or specifications used in the assessment are revised (whichever occurs first).

PRODUCT: Float Type Level Switch

MODEL: FF1..., FF2..., FF4..., FF5..., FF7... and FF9...

ABS RULE: 2008 Steel Vessel Rules 1-1-4/7.7, 4-1-1/3.7, 4-6-2/9.11.3, 4-6-4/11.7, 4-6-4/13.5.6(d) and 4-6-4/15.3.4(d)

OTHER STANDARD: Manufacturer's Standard;

AMERICAN BUREAU OF SHIPPING

Shou-Hua Huang

Engineering Type Approval Co-ordinator

***Product Design Assessment (PDA) Certificate
Attachment for Listing***

Refer to: shh

File Ref.: GEN45021

PDA Certificate No: 05-TM131094/1-PDA

Certificate Entry Date: 5 September 2008

Certificate Expire Date: 4 September 2013
(Subject to the condition stated on the PDA Certificate)

Company: FINETEK CO., LTD.

Country: Taiwan, Republic of China

Zip: 23678

Address: No. 16 Tzuchiang St., Tucheng Industrial, Taipei Hsien

Telephone: 886-2-22696789

Fax: 886-2-22678828

Web Site: <http://www.fine-tek.com>

Contact E-mail: info@fine-tek.com, david.lu@fine-tek.com

Product/Equipment: Float Type Level Switch

Model: FF1..., FF2..., FF4..., FF5..., FF7... and FF9...

Description: These switches are manufactured for horizontal or vertical mounting on a tank as one of the component within control or monitoring system.

Float Size: $\phi 41 \times 100\text{mm}$, $\phi 41 \times 125\text{mm}$, $\phi 41 \times 150\text{mm}$, $\phi 50 \times 150\text{mm}$ and $\phi 75 \times 120\text{mm}$

Housing Material: SUS304 or SUS316 or AL(ADC-12) (Models FF70..., FF71..., FF73... and FF75... are available to SUS304 or SUS316 only).

Models FF10... and FF20... option with both of mounting flange or mounting screw. Model FF70... is available with mounting screw only. All the rest of Models could be fitted with mounting flange only.

Intended Service: Liquids Level Monitoring

Rating: Manufacturer's guarantees based on product description are as follows:

Operating Pressure: 10~30 kg/cm² depends on float size

Operating Temperature: Consult factory

Media Gravity: min. 0.25

Degree of Protection: IP X7

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No.	12 022 - 98 HH
Company	FineTek Co., Ltd. No. 16, Tzuchiang Street, 23678, Tucheng Industrial Park Shu-Lin Taipei Hsien, Taiwan, TAIWAN, PROVINCE OF CHINA
Product Description	Side Mounting Float Switch
Type	FF 10..., FF 20..., FF 40..., FF.45..., FF 50 ..., FF 55..., FF 70..., FF 71..., FF 73..., FF 75..., FF 90..., FF 92... .
Environmental Category	C, EMC2
Technical Data / Range of Application	Float switches (magnetic operation) and optional test accessory FFB-0300; Output: 1 c/o contact (micro switch); Contact rating: max.5 A, 250 V AC (LF70: 3A); Float material: SUS 304 or SUS 316; Suitable Float size: 41 x 100 mm, 41 x 125 mm, 41 x 150 mm, 50 x 150 mm, 75x120mm; Media gravity: min. 0.25 ; Flange material: SUS 304 or SUS 316; Housing material: AL (ADC - 12); Operating pressure: 10...30 kg/cm²; Media temperature range: -10°C...+100 °C; Installation: horizontal +/- 30 °; Degree of protection: IP 65, IP 67 with shrinking hose.
Test Standard	Guidelines for the Performance of Type Approvals, Edition 2003
Documents	King Design Industrial: VT-031013-2, dated 2003-10-13; Fine Automation Report Q0310001 dated 2003-10-21. Drawing:e.g. FF10.. FF40..., FF50..., FF70..., FF90... dated 24.07.2008.
Remarks	FFB-0300 to be used for functional testing only.
Valid until	2013-10-30

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Type Approval Symbol



File No. I.D.03

Hamburg, 2009-03-30

Germanischer Lloyd

Jürgen Wittburg

Günter Demmig

This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".