DNV·GL

Certificate No:
TAE00001TW

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Instrument for Switchboard

with type designation(s)
LSP 72K, LSP 96K, LSP 72, LSP 96, LSP 144

Issued to
Weigel Meßgeräte GmbH
Nürnberg Bayern, Germany

is found to comply with
DNV GL rules for classification – Ships, offshore units, and high speed and light craft

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Issued at **Hamburg** on **2017-04-11**
This Certificate is valid until **2022-02-18**.
DNV GL local station: **Augsburg**

Approval Engineer: **Harald Amberger**

for **DNV GL**

Duy Nam Le
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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Product description

Moving coil instruments Standard ranges	LSP 72K, LSP 96K from 60mV to 250V DC (LSP 72K) from 60mV to 600V DC (LSP 96K) from 0.1mA to 5A DC with fixed installed shunt or for separat shunt../60mV and/ or ../150mV
Moving coil instruments Standard ranges	LSP 72, LSP 96, LSP 144 from 60mV to 600V DC from 0.1mA to 60A DC with fixed installed shunt or for separat shunt../60mV and/ or ../150mV

Accuracy Class : 1,5
Casing: metal, Type …K, polycarbonate UL 94V-0

Further technical ratings acc. manufacturer documentation.

Application/Limitation

Location Classes:
Temperature: A, Humidity: B, Vibration: A, Degree of protection : IP52, terminals IP00

Operating instruction of the manufacturer to be observed

Type Approval documentation

Tests carried out

Cold, dry heat, damp heat, vibration

Marking of product

Weigel trademark, method of operation, measuring unit, position of use, accuracy class.

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval are complied with and that no alterations are made to the product design or choice of materials.

The main elements of the assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routine Tests (RT) checked (if not available tests according to RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and Type Approval Certificate.

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE