

Installation principles – level measurement equipment (L)

Scope

SSG 5404E covers installation principles for the installation of level measurement equipment. Target groups are purchasers and suppliers. The purchaser specifies the desired delivery in the editable word documents that accompany the standard and suppliers perform installation according to the specification.

Changes since the previous edition

This edition differs from the previous one as follows:

- The information in the respective principles has been updated to be relevant and has been harmonised with SSG pipe standards.
- References have been reviewed and updated.
- SS steel has been replaced with current references to materials.
- Installation principles can now be filled out and edited digitally. When editing existing text, the text turns red on grey to indicate that the content deviates from standard.
- In the respective principle, information concerning the material and dimension has been removed when a material code is specified. The information is then available in SSG 5415E — *Instrument installation — list of materials*. This is to reduce the risk of error, as the information is then only in one location.
- A section on designation has been added.
- For principle L03, detail 5, the material code has been changed from 3118 to 3120 to correspond to the specified dimension.
- The standard has been updated according to the current template for SSG standards.



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SSG 5404E-L03: Level measurement with flanged sensor – flushing
open vessels

SSG 5404E-L04: Level measurement with flanged sensor – closed
vessels

SSG 5404E-L05: Level measurement with flanged sensor plus flushing –
closed vessels

SSG 5404E-L08: Level measurement with d/p sensor on valve block –
closed vessels, max PN 40

SSG 5404E-L09: Level measurement with d/p sensor – closed vessels,
max PN 40

SSG 5404E-L11: Level measurement with d/p sensor on valve block and
flushing – closed vessels

SSG 5404E-L12: Dome level measurement with blowing, max PN 40

SSG 5404E-L13: Dome level measurement with blowing, max PN 100

SSG 5404E-L14: Dome level measurement with blowing, max PN 250

SSG 5404E-L15: Level measurement with soap film flowmeter – open
vessels

SSG 5404E-L17: Level measurement with float sensor

SSG 5404E-L18: Level measurement with pressure membrane

SSG 5404E-L20: Level monitoring with radioactive isotope

SSG 5404E-L21: Level monitoring with float

SSG 5404E-L22: Level monitoring with float switch

SSG 5404E-L23: Level measurement with pressure separator

SSG 5404E-L24: Level measurement with fibre optics

SSG 5404E-L26: Disaster protection for low or high level

SSG 5404E-L27: Level measurement with capillary line – open vessels
with water flushing

SSG 5404E-L28: Level measurement with capillary line – closed vessels
with water flushing

SSG 5404E-L29: Level monitoring with radioactive isotope

SSG 5404E-L30: Level monitoring with direct mounted sensor with gate
valve

SSG 5404E-L31: Level monitoring with ultrasound

SSG 5404E-L32: Level monitoring with radar

SSG 5404E-L33: Level monitoring with ultrasound (2 wire)

SSG 5404E-L34: Level monitoring with radar (2 wire)

SSG 5404E-L35: Vibrating guard

SSG 5404E-L36: Capacitive guard