ECOLAB®

Ecolab GmbH & Co. OHG
P.O. Box 13 04 06
D-40551 Düsseldorf

certifies that for

SICK AG
Industrial Sensors
Erwin-Sick-Strasse 1
D-79183 Waldkirch

material resistance tests

were performed with cleaning substances **P3-clint KF**, **P3-oxonia active**, **P3-topactive DES**, **P3-topax 19**, **P3-topax 36**, **P3-topax 52**, **P3-topax 66**, **P3-topax 91** and demineralized water as a zero reference factor.

The material resistance of the tested series

Sensors IMF12, IMF 18, V18V
such as the testet
Connection cable PRKT 4-07/5

to the P3 products used in the test can be considered to be positive according to the cleaning procedure mentioned overleaf.

Düsseldorf, 14th January 2008

Ecolab GmbH & Co. OHG

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Thomas Tyborski

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SICK

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This certificate is based on:

- documented test procedures (test no.: F&E/P3-E Nr. 40-1) according to material resistance
- defined product descriptions
- standardized cleaning procedure

Test procedure
Ecolab-test F&E Nr. 40-1

Dipping test:
- Complete immersion in solutions/liquid

Test period:
- 28 days

Temperature:
- room temperature (constant)

Analysis:
- Visual judgement like swelling, brittleness, discoloring
- compared to zero-reference factor (demineralized water)
- Photo documentation

Product specifications :

P3-clint KF:
Alkaline cleaner for surface cleaning
P3-oxonia active:
Acid disinfection based on hydrogen peroxide/peracetic acid
P3-topactive DES:
Acid disinfectant based on hydrogen peroxide/peracetic acid for the food industry
P3-topax 19:
Alkaline, chlorine-free foam cleaner for the food industry
P3-topax 36:
Strong alkaline, chlorine free foam cleaner
P3-topax 52:
Acid foam cleaner
P3-topax 66:
Alkaline foam cleaner with active chlorine for the food and beverage industry
P3-topax 91:
Neutral disinfection agent based on Quarternary Ammonium Compounds (QAC)

Cleaning plan for food and beverage industry*



Rinsing with water 40 – 50°C
Rinsing with low pressure. Rinsing from top to bottom in the direction of the drains. Cleaning of the drains.



Foaming from bottom to top

alkaline:	P3-topax 19 2 – 5 % daily
acid:	P3-topax 52, 2 % on demand
temperature:	cold up to 40°C
contact time:	15 min. recommended



Rinsing with water 40 – 50°C
Rinsing from top to bottom with low pressure

Spray disinfection P3-topax 91 1-2 %, 30 -60 minutes or
Foam disinfection P3-topactive DES, 1-3%, 10-30 minutes

*short description

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