

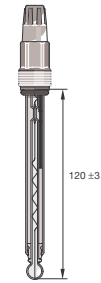
pH-Combination Probes



PHER 112 SE

Technical Data

pH-range: 1...12
 Temperature: 0...80 °C
 Max. pressure: 6 bar
 Conductivity: > 50 µS/cm
 Diaphragm: PTFE-ring diaphragm
 Reference: Ag with AgCl supply (3 mol KCl/polymer)
 Installed length: 120 ± 3 mm
 Mounting angle: ≥ 15°
 Glass stem Ø: 12 mm
 Mounting thread: PG 13.5
 Electrode head: Push-and-twist connector SN6
 Storage temperature: +10...+30 °C
 Typical applications: Municipal and industrial waste water, drinking water, industrial water, chemical industry, paper manufacturing, food industry... (not for media containing chlorine/fluoride and conditions with frequent temperature fluctuations)



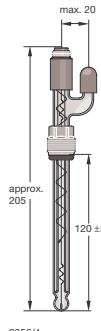
Order-No.:
 PHER 112 SE 1001586



PHEN 112 SE and PHEN 112 SE 3 D

Technical Data

pH-range: 1...12
 Temperature: 0...80 °C
 Max. pressure: Depressurized operation
 Conductivity: > 150 µS/cm
 Diaphragms: 1 or 3 ceramic diaphragms
 Reference: Ag/AgCl (3 mol KCl/liquid) KCl electrolyte refillable
 Installed length: 120 ± 3 mm
 Mounting angle: ≥ 15°
 Glass stem Ø: 12 mm
 Mounting thread: PG 13.5
 Electrode head: Push-and-twist connector SN6
 Storage temperature: +10...+30 °C
 Typical applications: Drinking water, Waste water or for low conductivity (3 D-version)
 Recommendation: Use only with electrolyte storage container (305058)



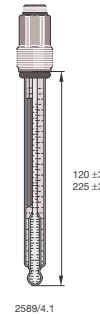
Order-No.:
 PHEN 112 SE 305090
 PHEN 112 SE 3D 150078



PHEX 112 SE

Technical Data

pH-range: 1...12
 Temperature: 0...100 °C
 Max. pressure: 16 bar (25 °C)
 Conductivity: > 500 µS/cm
 Diaphragm: open annular gap (solid polymer electrolyte)
 Outlet: Ag with AgCl supply (3 mol KCl/polymer)
 Installed length: 120 ± 3 mm and 225 ± 3 mm resp.
 Mounting angle: ≥ 15°
 Glass stem Ø: 12 mm
 Mounting thread: PG 13.5
 Electrode head: Push-and-twist connector SN6 fixed cable (FE variants)
 Storage temperature: +10...+30 °C
 Typical applications: Waste water, industrial water, chemical processes, emulsions, suspensions, media containing protein, sulphide... (not for media containing chlorine/fluoride and conditions with frequent temperature fluctuations)



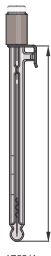
Order-No.:
 PHEX 112 SE 305096
 PHEX 112 SE (225 mm) 150061



PHEN 012 SL and PHEN 012 SL 3 D

Technical Data

pH-range: 0...12
 Temperature: 0...80 °C
 Max. pressure: Depressurized operation
 Conductivity: > 150 µS/cm
 Diaphragms: 1 or 3 ceramic diaphragms
 Reference: Ag/AgCl supply (3 mol KCl/liquid) KCl-electrolyte refillable
 Electrode head: Push-and-twist connector SN6
 Storage temperature: +10...+30 °C
 Typical applications: Manual measurements in laboratory low conductivity (3 D version)



Order-No.:
 PHEN 012 SL 305078
 PHEN 012 SL 3D 791508



PHEE 112 S

Technical Data

pH-range: 1...12
 Temperature: 0...60 °C
 Max. pressure: Depressurized operation
 Diaphragms: 3 ceramic diaphragms
 Reference: Ag/AgCl (3 mol KCl/liquid)
 Electrode head: Push-and-twist connector SN 6
 Storage temperature: +10...+30 °C
 Typical applications: pH measurement in semi-solid or pasty media e.g. foodstuffs such as meat, cheese...



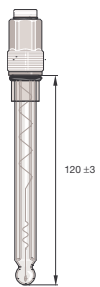
Order-No.:
 PHEE 112 S 791094



PHEP 112 SE

Technical Data

pH-range: 1...12
 Temperature: 0...80 °C
 Max. pressure: 6 bar
 Conductivity: > 150 µS/cm
 Diaphragm: Ceramic
 Reference: Ag with AgCl supply (3 mol KCl/gel)
 Installed length: 120 ± 3 mm
 Mounting angle: ≥ 15°
 Glass stem Ø: 12 mm
 Installation opening: min. Ø 14.5 mm
 Mounting thread: PG 13.5
 Electrode head: Push-and-twist connector SN6
 Storage temperature: +10...+30 °C
 Typical applications: Swimming pool, drinking water, industrial water, slightly contaminated waste water



Order-No.:
 PHEP 112 SE 150041



Probes PHED 112 SE/FE

Technical Data

pH-range: 1...12
 Temperature: 0...80 °C
 Max. pressure: 8 bar
 Conductivity: > 150 µS/cm
 Diaphragm: 2 ceramic diaphragms (double junction)
 Reference: Ag/AgCl supply (3 mol KCl/gel)
 Installed length: 120 ± 3 mm
 Mounting angle: ≥ 15°
 Glass stem Ø: 12 mm
 Mounting thread: PG 13.5
 Electrode head: Push-and-twist connector SN 6 or fixed cable (FE-versions)
 Storage temperature: +10...+30 °C
 Typical applications: Drinking water, industrial water, slightly contaminated waste water, cooling tower water



Order-No.:
 PHED 112 SE 741036
 PHED 112 FE see Equipment catalogue



PHEK 112 S/F

Technical Data

pH-range: 1...12
 Temperature: 0...60 °C
 Max. pressure: Depressurized operation
 Conductivity: > 150 µS/cm
 Diaphragm: Glass fibre
 Reference: Ag/AgCl (3 mol KCl/gel)
 Electrode head: Push-and-twist connector SN 6 or fixed cable (FE-versions)
 Plastic stem Ø: 12 mm (material polycarbonate)
 Storage temperature: +10...+30 °C
 Typical applications: Manual measurements, e.g. swimming pool, drinking water...



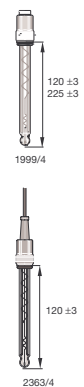
Order-No.:
 PHEK 112 S 305051
 PHEK 112 F see Equipment catalogue



PHE 112 SE/FE

Technical Data

pH-range: 1...12
 Temperature: 0...60 °C
 Max. pressure: 0.5 bar
 Conductivity: > 150 µS/cm
 Diaphragm: Ceramic
 Reference: Ag/AgCl (3 mol KCl/gel)
 Installed length: 120 ± 3 mm and 225 ± 3 mm resp.
 Mounting angle: ≥ 15°
 Glass stem Ø: 12 mm
 Mounting thread: PG 13.5
 Electrode head: Push-and-twist connector SN6 fixed cable (FE variants)
 Storage temperature: +10...+30 °C
 Typical applications: Swimming pool, drinking water, slightly contaminated waste water



Order-No.:
 PHE 112 SE 305054
 PHE 112 SE (225 mm) 150092
 PHE 112 FE see Equipment catalogue