

pH/ORP flow-through probe Models 8340/8340.P



data sheet

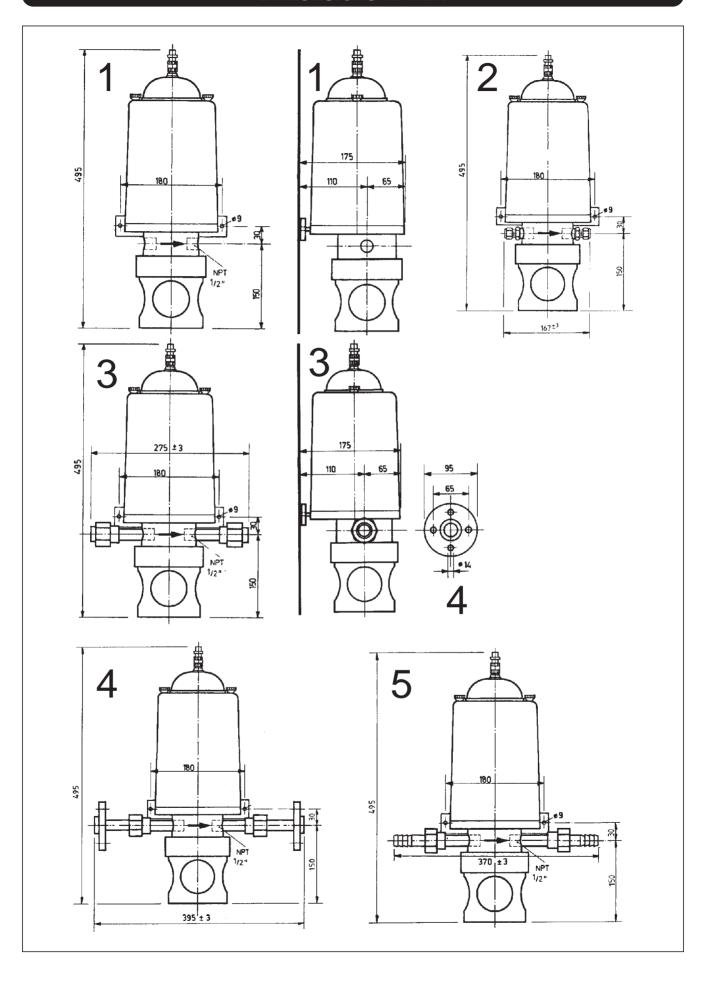
Features

- Industrial, heavy–duty probe for use in difficult applications
- The probe may be equipped with various combinations of electrodes (i.e.: glass electrodes, reference electrodes, temperature sensors, combination electrodes, ORP electrodes, and liquid earth rods)
- The electrolyte reservoir is integrated with the probe
- The probe's reservoir may be pressurized with instrument air or with a simple hand pump (retrofit is possible)
- A chemical or mechanical electrode cleaning system can be retroffited
- The electrodes are visible at all times, simple to remove, exchange and calibrate
- The probe's sample cup remains filled with sample solution at all times thus ensuring wetted, active electrodes throughout the operation.

Product list

| Item | Model | Item No. | Drawing No. |
|---|------------------|--|-------------|
| Probe | | | |
| Standard flow–through probe with preamplifier Flow-through probe, including high-impedance | 8340.P 8340 | 363 383,10010 363 383,10000 | 1 |
| Standard accessories | | | |
| 1 Instruction Manual in German, French or English (please specify) Reference electrolyte KCI, 500 ml bottle Quick connection for pressurization | | | |
| Accessories | | | |
| Cable, shielded, 6 conductors, to connect 8340.P with transmitter 8930 or 9135 | 2666 | 370=506=025 | |
| Cable, shielded, coaxial, wit 4 additionnal conductors Buffer solution pH 4.00, 500 ml Buffer solution pH 6.88, 500 ml Buffer solution pH 9.22, 500 ml | 2654 | 358 048,00000 363 130,00500 363 131,00500 363 132,00500 | |
| Reference electrolyte KCI, 1000 ml Connections | | 363 140,01000 | |
| Swagelok pipe fitting for 10-mm Ø pipe Polypropylene pipe fitting ND 15/PN 10 according to DIN/VSM | | 359 028,40000 359 028,30000 | 2 3 |
| Flanges ND 15/PN 10 according to DIN/VSM adjustables flanges | _ | 359 028,20001 | 4 |
| Hose nipple ND 15 Note: Positions 5 and 6 require the fittings listed in Position 4 | | 359 028,10000 | 5 |
| With Hamp Pump: | | | |
| Pressure gauge and adaptor (for manual pressurisation) Cover for hood, consisting of: 2 angle brackets 3 m of electrolyte tubing Cover | 8538.1 | 359 026,10000 359 025,10000 | 7 8 |
| Electrode-Cleaning Systems (for retrof | fitting) | | |
| Mechanical Cleaning (See also datasheet 8544) | | | |
| Cleaning unit, including 2 polypropylene brushes Cleaning unit, including silicom membranes | 8540.4 8540.5 | 363 356,00100 363 356,00200 | 9 10 |
| Air, water or chemical cleaning (See also datasheet 8544) PVDF nozzle | 8543.5 | 363 381,50000 | 11 |
| Electrodes | | | |
| Note: Capacity for 4 pieces maximum, including cleaning systems. | | | |
| Spares | | | |
| Set of seals, consisting of: 2 washers / 4 O-rings / 2 blank plugs | _ | 363 700,83402 | |
| Diaphragm assembly for 8429.1 consisting of: 3 diagphragms / 3 hex nuts / 6 seals | _ | 363 700,74106 | |
| Cleaning brush for 8540.4 (mechanical cleaning) Membrane for 8540.5 (mechanical cleaning) | _ _ | 359 004,50080 359 004,10450 | |

Dimensions in mm



polymetron

a Hach Ultra Analytics solution

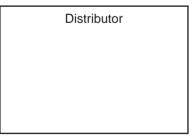
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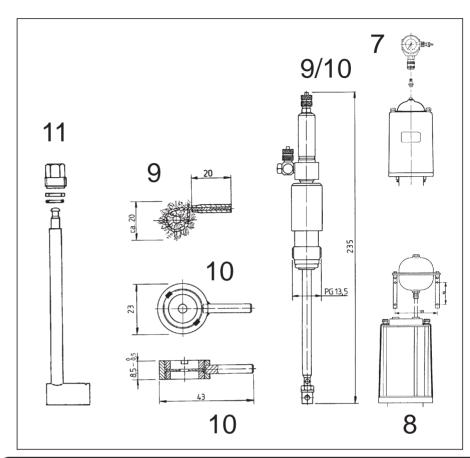
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Specifications

- Sample temperature: -10 to +80°C (14 to 176°F)
- Ambient temperature: -10 to +55°C (14 to 131°F)
- Sample pressure: 2 bar (29 psi) max. within -10 to +80°C
- Flow rate: 15 I/min. max.
- Pressure drop: 0.045 bar
- Volume of the sample cup: 0.5 I
- Volume of the reference-electrolyte reservoir: 0.5 I
- Permissible pressure for electrolyte reservoir: 5 bar max. (72 psi)
- Protective hood: IP 54
- Weight: Approx. 2.5 kg (5.5 lbs)

Materials:

- Probe body: PolypropyleneSample cup: Borosilicate glass
- Sample-cup gasket: Silicon
- Electrode seals: Viton®
- Pipe gaskets: Neoprene
- Protective hood: PMMA (Polymethylmetacrylate), blue
- Electrolyte resevoir: Polyamide (Special PA)
- Electrolyte tubing: Polyurethane
- Electrolyte-tubing nipples: Polyacetal.

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