

AquaLine combination electrodes

	AL 70 pH	AL 79 Pt	AL 80 pH	AL 81 pHT	AL 82 pHT	AL 83 pHT	AL 89 Pt
pH sensor ¹⁾	•		•	•	•	•	
redox sensor ²⁾		•					•
conductivity sensor ³⁾							
temperature sensor integrated			Pt 1000	Pt 100	NTC 30KΩ		
temperature range [°C]	-5 ... +80	-5 ... +80	0 ... 80	0 ... 80	0 ... 80	0 ... 80	
pH range	2 ... 13	2 ... 13	2 ... 13	2 ... 13	2 ... 13	2 ... 13	
pressure range [bar]	3	3	10	10	10	10	
diaphragm	ceramic	•	•				
	KPG® annular gap		•	•	•	•	
	fibre						
shaft material	glass	•	•	•	•	•	•
	plastic						
electrolyte	gel, low-maintenance	•	•				
	Referid®, low-maintenance		•	•	•	•	•
connection	coaxial	coaxial	coaxial	SMEK	SMEK	SMEK	coaxial
design corresponding illustration	A	B	C	D	D	D	E

¹⁾ pH sensors with A Glass

²⁾ Redox sensors with platinum disk d = 4 mm

³⁾ Conductivity sensor with platinum coating on glass, cell constant c=1.0 [cm⁻¹] ($\pm 10\%$)

	AL 90 pH	AL 93 pHT	AL 63 LFT
	•	•	
		•	
	NTC 30KΩ	NTC 30KΩ	
	0 ... 80	0 ... 80	-5 ... +80
	2 ... 13	2 ... 13	-
	-	-	-
	•	•	
	•	•	
	•	•	
	coaxial	SMEK	SMEK
	F	G	H

AquaLine combination electrodes

Especially for measuring in drinking water, industrial water and sewage range. Low-maintenance electrodes.

Connection:

► screw plug head with thread Pg 13.5

Supply:

► washer 9980/52

► O-ring type 9932/07

Connecting cable:

► coaxial: e.g. type 9902/05
(length 5 m with free end)

► SMEK (design D+G): e.g. type SMEK 19/05
(length 5 m with free end)

► SMEK (design H): e.g. type SMEK 20/05
(length 5 m with free end)

For additional connecting cables, see under Accessories on page 50 + 52.

Electrolyte:

► gel with visible KCl reserves, not refillable
► Referid® (polymer with visible KCl reserves),
not refillable

Length L:

► 120 mm

Shaft diameter:

► 12 mm

Zero point:

► pH = 7.0

A AL 70 pH



B AL 79 Pt



C AL 80 pH



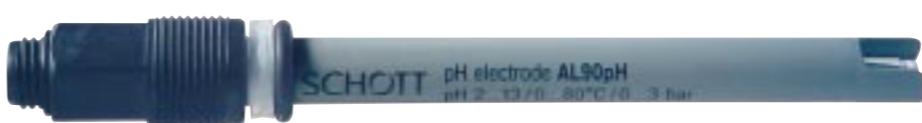
D AL 82 pHT
AL 81 pHT
AL 83 pHT



E AL 89 Pt



F AL 90 pH



G AL 93 pHT



H AL 63 LFT

