表1：pH电极的应用范围

应　用	半电池			基础型			标准型		基本型	三合一				标准型			三合一		专业型	微型电极			标准型	专业型				标准型		ISFET	氧化还原
	201 S7	301 S7	302 S7	406	407	417 S7	408	409	405	413	414	415	416	410 多针	411 多针	412 S7	418 多针	419 多针	420 S7	421 S7	422 S7	423 S7	424 S7	426 S7	427 S7	428 S7	429 S7	430 多针	431 多针	490	501 S7
侵蚀性水														●	●	●							●					●	●		
养殖场水										●	●	●	●																		
普通水样品	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				●					●	●		
细菌培养液																								●							
啤酒														●	●	●			●							●		●	●		
生物介质														●	●	●			●				●			●		●	●		
盐卤																			●												
黄油																									●					●	
温度易变化的样品										●	●	●	●	●	●	●	●	●													
奶酪																									●						
高浓度的酸/碱														●	●	●			●				●					●	●		
冷热管道水	●	●																	●												
酸/碱腐蚀液							●	●						●	●	●			●				●					●	●		
奶油，脂肪，化妆品																			●						●					●	
深颈容器																				●			●					●	●		
脱盐/离子转换																			●												
溶氧，不同的应用																									●						
浓缩流动物																			●												
一般流动物										●	●	●	●				●	●													
低盐流动物																			●												
乳浊液(主要是水)										●	●	●	●				●	●	●												
极端pH值	●	●					●	●						●	●	●			●				●					●	●		
田地测量				●	●	●				●	●	●	●				●	●												●	
鱼类																									●						
食品														●	●	●									●	●					
食品(要求穿刺)																									●						
水果																									●						
电池														●	●	●							●					●	●		
HF-介质																											●				
高温	●	●					●	●						●	●	●							●					●	●		
热碱溶液														●	●	●							●					●	●		
灌注溶液														●	●	●															
离子选择测量			●																												
果酱																			●						●	●				●	
低温																										●					
肉类																									●						
牛奶														●	●	●			●							●					
流动测量				●	●	●					●	●	●				●	●													
细颈容器																				●	●										
部分水介质	●		●																●												
印照片的乳浊液	●	●												●	●	●							●		●			●	●		
植物																									●						
精确测量														●	●	●			●				●					●	●		
蛋白质介质																			●							●					
穿刺测试																									●						
氧化还原反应/滴定																															●
低离子强度的样品	●		●																●												
海水														●	●	●			●												
小样品																					●	●		●						●	
肥皂，清洗剂	●	●																	●												
土壤																			●						●						
含硫介质	●	●												●	●	●							●					●	●		
表面测量																								●							
悬浮液(主要是水)	●		●							●	●	●	●				●	●	●												
游泳池水				●	●					●	●	●	●																		
温度补偿										●	●	●	●	●	●		●	●										●	●	●	
TRIS 缓冲溶液							●	●						●	●	●							●					●	●		
油漆，涂料(水基)										●	●	●	●				●	●	●												
油漆，涂料(非水基)																			●												
蔬菜																									●						
粘性溶液	●		●																●												
水														●	●	●			●				●					●	●		
酸奶																			●							●	●			●	