pH glass selection guide.

High Performance (S) Glass	High Temperature (HT) Glass	Low Temperature (LT) Glass	Flat High Performance (S) Glass	HF/Acid Resistant (HF) Glass
When to select: Standard offering in a majority of applications	**When to select:** When temperatures are consistently above 50°C [122°F]	**When to select:** Ideal for low temperatures < 10°C [50°F] and low conductivity < 10 uS/cm	**When to select:** For fouling and abrasion prone applications	**When to select:** Applications containing HF up to 1% (+ other strong acids)
Why: Best response over entire pH range	**Why:** Optimal lifespan in high temperature applications	**Why:** Low-impedance provides faster response time	**Why:** Low-profile glass helps extend maintenance requirements	**Why:** Robust, high-impedance glass designed to withstand HF acid etch
Considerations: Limited performance at extreme temperatures	**Considerations:** Slower response in cooler samples	**Considerations:** Not suggested for samples >10 pH due to higher Na+ error	**Considerations:** Mount perpendicular to flow for best results	**Considerations:** Slower response time and limited temperature range - max 60°C [140°F]
Which electrodes: 100 GP 100 ULTRA 500 PRO 700 ULTRA	**Which electrodes:** 100 ULTRA 500 PRO	**Which electrodes:** 100 GP 100 ULTRA 500 PRO 700 ULTRA	**Which electrodes:** 100 GP 100 ULTRA 500 PRO	**Which electrodes:** 500 PRO