

# GT SERIES GLASS-BODY PROCESS pH ELECTRODES

## PRODUCT SPECIFICATION SHEET



GT101

GT260

Maximum chemical compatibility with inert glass bodies double-junction reference, and PTFE junction

Detachable cables: Models for S8 and VarioPin connectors

Choose standard (100°C) or high temperature (130°C) models

Accurate and reliable measurements across full pH scale (0-14)

Instantly ready, drop-in replacement for common 12 mm installations

One-year limited warranty

Choosing a sensor that is well-suited for your application will improve measurement accuracy and extend sensor lifetime. Glass body sensors perform well in unpredictable chemical environments due to the inert properties of glass. PTFE junction resists clogging and coating for stable readings and minimal cleaning in most applications.

**GT100 series (Basic):** The GT100 series glass pH sensor is easy to use and performs reliably in applications such as hydroponics, gardening, and education.

**GT200 and GT300 series (High Temperature):** The GT200 series are great for testing samples with high temperatures such as industrial wastewater. A double salt ring reference design ensures constant reference concentration for increased stability over time.

See page 2 for electrode ordering information. Select cables below.

### Cables

|          |                                       |
|----------|---------------------------------------|
| GTC-V/1  | VarioPin Cable 1 meter, tinned leads  |
| GTC-V/3  | VarioPin Cable 3 meter, tinned leads  |
| GTC-V/5  | VarioPin Cable 5 meter, tinned leads  |
| GTC-V/10 | VarioPin Cable 10 meter, tinned leads |
| GTC-S/1  | S7 Cable 1 meter, tinned leads        |
| GTC-S/3  | S7 Cable 3 meter, tinned leads        |
| GTC-S/5  | S7 Cable 5 meter, tinned leads        |
| GTC-S/10 | S7 Cable 10 meter, tinned leads       |

### SPECIFICATIONS

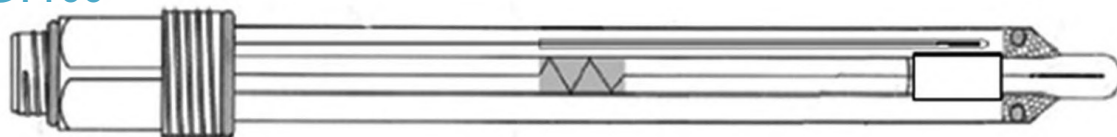
| GT100 Series       |                                       |
|--------------------|---------------------------------------|
| Diameter           | 12 mm                                 |
| Length             | 120 mm                                |
| Reference          | Sealed                                |
| Junction Number    | Single or Double<br>(see order table) |
| Junction Material  | PTFE                                  |
| Reference Solution | KCl/AgCl (gel)                        |
| Glass Shape        | Bulb                                  |
| Body Material      | Glass                                 |
| O-Ring             | Viton®                                |
| Pressure           | 0-6 bar (87 psia)                     |
| Impedance          | <300MΩ                                |
| Connector          | S8 or VP                              |
| Temperature Range  | -5 to 100°C<br>(23 to 212°F)          |
| Temp Comp*         | See order table                       |

| GT200 Series       |                              |
|--------------------|------------------------------|
| Diameter           | 12 mm                        |
| Length             | 120 mm                       |
| Reference          | Sealed                       |
| Junction Number    | Double                       |
| Junction Material  | PTFE                         |
| Reference Solution | KCl/AgCl Gel/<br>Salt Rings  |
| Glass Shape        | Bulb                         |
| Body Material      | Glass                        |
| O-Ring             | Viton®                       |
| Pressure           | 0-6 bar (87 psia)            |
| Impedance          | <1000MΩ                      |
| Connector          | VP                           |
| Temperature Range  | -5 to 130°C<br>(23 to 266°F) |
| Temp Comp*         | Pt100 or Pt1000              |

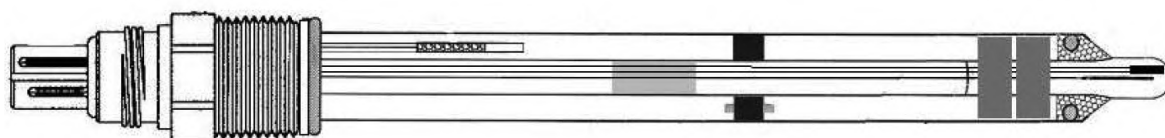
| GT300 Series       |                              |
|--------------------|------------------------------|
| Diameter           | 12 mm                        |
| Length             | 225 mm                       |
| Reference          | Sealed                       |
| Junction Number    | Double                       |
| Junction Material  | PTFE                         |
| Reference Solution | KCl/AgCl Gel/<br>Salt Rings  |
| Glass Shape        | Bulb                         |
| Body Material      | Glass                        |
| O-Ring             | Viton®                       |
| Pressure           | 0-6 bar (87 psia)            |
| Impedance          | <1000MΩ                      |
| Connector          | VP                           |
| Temperature Range  | -5 to 130°C<br>(23 to 266°F) |
| Temp Comp*         | Pt100 or Pt1000              |

\*Choose Pt1000 for use with Sensorex transmitters

### GT100



### GT200 and GT300



### ORDERING INFORMATION

| Part Number | Description  |
|-------------|--|
| GT100       | Glass body pH electrode, single junction, 120 mm x 12 mm, VarioPin connector                                 |
| GT101       | Glass body pH electrode, single junction, 120 mm x 12 mm, S8 connector                                       |
| GT111       | Glass body pH electrode, double junction, 120 mm x 12 mm, S8 connector                                       |
| GT160       | Glass body High-temp pH/ATC electrode, single junction, 120 mm x 12 mm, VarioPin connector, Pt100 Temp Comp  |
| GT165       | Glass body High-temp pH/ATC electrode, single junction, 120 mm x 12 mm, VarioPin connector, Pt1000 Temp Comp |
| GT200       | Glass body High-temp pH electrode, double junction, 120 mm x 12 mm, VarioPin connector                       |
| GT260       | Glass body High-temp pH/ATC electrode, double junction, 120 mm x 12 mm, VarioPin connector, Pt100 Temp Comp  |
| GT265       | Glass body High-temp pH/ATC electrode, double junction, 120 mm x 12 mm, VarioPin connector, Pt1000 Temp Comp |
| GT300       | Glass body High-temp pH/ATC electrode, double junction, 225 mm x 12 mm, VarioPin connector                   |
| GT360       | Glass body High-temp pH/ATC electrode, double junction, 225 mm x 12 mm, VarioPin connector, Pt100 Temp Comp  |
| GT365       | Glass body High-temp pH/ATC electrode, double junction, 225 mm x 12 mm, VarioPin connector, Pt1000 Temp Comp |

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