

## Model 607 pH/ORP Sensor

| Specifications                                                                            | Model 607                                                                                   | Model 607-2                                                                                 | Model 607-3                                                                                 | Model 607-4(X)                                                                                         | Model 607-5HF                                                                               | Model 607-6                                                                                 |
|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| <b>Measurement Range</b>                                                                  | pH: 0 to 14                                                                                 | pH: 0 to 14                                                                                 | pH: 0 to 14                                                                                 | ORP: -2000 mV to 2000 mV                                                                               | pH: 0 to 12                                                                                 | pH: 0 to 14                                                                                 |
| <b>Sensing Element Temperature Range</b>                                                  | 0 °C to 130 °C (32 °F to 266 °F)                                                            | 0 °C to 45 °C (32 °F to 113 °F)                                                             | 10 °C to 105 °C (50 °F to 221 °F)                                                           | 0 °C to 90 °C (32 °F to 194 °F)                                                                        | 0 °C to 105 °C (32 °F to 221 °F)                                                            | 0 °C to 90 °C (32 °F to 194 °F)                                                             |
| <b>Sensing Element</b>                                                                    | Rugged glass tip                                                                            | Low temperature pH glass tip                                                                | High pH glass tip                                                                           | -4 (P) = Platinum<br>-4(G) = Gold                                                                      | H.F. Resistant glass tip                                                                    | Flat glass tip                                                                              |
| <b>Wetted Materials</b>                                                                   | Stainless Steel or Titanium, CPVC or PVDF, Wood or PTFE, Viton, Glass                       | Stainless Steel or Titanium, CPVC or PVDF, Wood or PTFE, Viton, Glass                       | Stainless Steel or Titanium, CPVC or PVDF, Wood or PTFE, Viton, Glass                       | Stainless Steel or Titanium, CPVC or PVDF, Wood or PTFE, Viton, Platinum or Gold Glass (Platinum only) | Stainless Steel or Titanium, CPVC or PVDF, Wood or PTFE, Viton, Glass                       | Stainless Steel or Titanium, CPVC or PVDF, Wood or PTFE, Viton, Glass                       |
| <b>Process Connections</b>                                                                | 1.0 in MNPT direct insertion or via ball valve                                              | 1.0 in MNPT direct insertion or via ball valve                                              | 1.0 in MNPT direct insertion or via ball valve                                              | 1.0 in MNPT direct insertion or via ball valve                                                         | 1.0 in MNPT direct insertion or via ball valve                                              | 1.0 in MNPT direct insertion or via ball valve                                              |
| <b>Pressure &amp; Temperature Limits at Insertion</b>                                     | 689 kPa at 100 °C (100 psi at 212 °F)                                                       | 689 kPa at 100 °C (100 psi at 212 °F)                                                       | 689 kPa at 100 °C (100 psi at 212 °F)                                                       | 689 kPa at 100 °C (100 psi at 212 °F)                                                                  | 689 kPa at 100 °C (100 psi at 212 °F)                                                       | 689 kPa at 100 °C (100 psi at 212 °F)                                                       |
| <b>Cartridge Dimensions</b>                                                               | Length: 16.5 cm (6.5 in)<br>Diameter: 2.5 cm (1.0 in)                                       | Length: 16.5 cm (6.5 in)<br>Diameter: 2.5 cm (1.0 in)                                       | Length: 16.5 cm (6.5 in)<br>Diameter: 2.5 cm (1.0 in)                                       | Length: 16.5 cm (6.5 in)<br>Diameter: 2.5 cm (1.0 in)                                                  | Length: 16.5 cm (6.5 in)<br>Diameter: 2.5 cm (1.0 in)                                       | Length: 16.5 cm (6.5 in)<br>Diameter: 2.5 cm (1.0 in)                                       |
| <b>Ball Valve (BV) Electrode Dimensions</b>                                               | Retracted BV length: 58.4 cm (23.0 in)<br>Inserted BV length: 43.2 cm (17.0 in)             | Retracted BV length: 58.4 cm (23.0 in)<br>Inserted BV length: 43.2 cm (17.0 in)             | Retracted BV length: 58.4 cm (23.0 in)<br>Inserted BV length: 43.2 cm (17.0 in)             | Retracted BV length: 58.4 cm (23.0 in)<br>Inserted BV length: 43.2 cm (17.0 in)                        | Retracted BV length: 58.4 cm (23.0 in)<br>Inserted BV length: 43.2 cm (17.0 in)             | Retracted BV length: 58.4 cm (23.0 in)<br>Inserted BV length: 43.2 cm (17.0 in)             |
| <b>Maximum Electrode Insertion Depth</b>                                                  | 15.2 cm (6.0 in)                                                                            | 15.2 cm (6.0 in)                                                                            | 15.2 cm (6.0 in)                                                                            | 15.2 cm (6.0 in)                                                                                       | 15.2 cm (6.0 in)                                                                            | 15.2 cm (6.0 in)                                                                            |
| <b>Sensor Cable</b>                                                                       | 1.8 m (6.0 ft) with BNC connector; 4 Conductor or 2 Conductor (no temperature compensation) | 1.8 m (6.0 ft) with BNC connector; 4 Conductor or 2 Conductor (no temperature compensation) | 1.8 m (6.0 ft) with BNC connector; 4 Conductor or 2 Conductor (no temperature compensation) | 1.8 m (6.0 ft) with BNC connector; 4 Conductor or 2 Conductor (no temperature compensation)            | 1.8 m (6.0 ft) with BNC connector; 4 Conductor or 2 Conductor (no temperature compensation) | 1.8 m (6.0 ft) with BNC connector; 4 Conductor or 2 Conductor (no temperature compensation) |
| <b>Preamplifier</b>                                                                       | Remote                                                                                      | Remote                                                                                      | Remote                                                                                      | Remote                                                                                                 | Remote                                                                                      | Remote                                                                                      |
| <b>Weight</b>                                                                             | 0.9 kg (2.0 lb)                                                                             | 0.9 kg (2.0 lb)                                                                             | 0.9 kg (2.0 lb)                                                                             | 0.9 kg (2.0 lb)                                                                                        | 0.9 kg (2.0 lb)                                                                             | 0.9 kg (2.0 lb)                                                                             |
| <b>Shipping Weight</b>                                                                    | 3.2 kg (7.0 lb)                                                                             | 3.2 kg (7.0 lb)                                                                             | 3.2 kg (7.0 lb)                                                                             | 3.2 kg (7.0 lb)                                                                                        | 3.2 kg (7.0 lb)                                                                             | 3.2 kg (7.0 lb)                                                                             |
| <b>Shipping Dimensions</b>                                                                | 81 cm × 15 cm × 15cm (32 in × 6 in × 6 in)                                                  | 81 cm × 15 cm × 15cm (32 in × 6 in × 6 in)                                                  | 81 cm × 15 cm × 15cm (32 in × 6 in × 6 in)                                                  | 81 cm × 15 cm × 15cm (32 in × 6 in × 6 in)                                                             | 81 cm × 15 cm × 15cm (32 in × 6 in × 6 in)                                                  | 81 cm × 15 cm × 15cm (32 in × 6 in × 6 in)                                                  |
| <i>Above shipping specifications are based on a standard configuration single sensor.</i> |                                                                                             |                                                                                             |                                                                                             |                                                                                                        |                                                                                             |                                                                                             |