The RTD7AL temperature sensor is a three-wire platinum RTD (resistance-temperature detector) typically used with monitoring and control systems when accurate temperature control is required. The sensor is explosion-proof and approved for Division 1 hazardous locations. The RTD7AL can be used with a wide variety of DigiTrace® monitoring and control systems.

**Specifications**

- **Sensor housing**: Zinc-plated cast-iron body with aluminum cap; NEMA 4, 7
- **Sensor sheath**: 316 stainless steel
- **Range**: –100°F to 900°F (–73°C to 482°C) maximum
- **Accuracy**: ±1°F (0.5°C) at 32°F (0°C)
- **Resistance**: 100 ohms at 0°C, α = 0.00385 ohms/ohm/°C
- **Connection**: 3/4-in (19 mm) NPT conduit hub

**Additional Materials Required**

- Pipe strap, conduit, 16–22 AWG shielded instrument cable

**Kit Contents**

- One RTD temperature sensor

**Approvals**

The RTD7AL is CSA certified to U.S. and Canadian standards.

- Class I, Div. 1, Groups C, D
- Class II, Div. 1, Groups E, F, G