

# Geothermal P/T/F/CCL

## Application

The 1.75" Geothermal Pressure Temperature Flow Gauge with CCL has an external fast response temperature sensor that is exposed to the wellbore fluid and an internal pressure sensor that senses wellbore pressure. The casing collar locator (CCL) uses high strength, long life magnets that provide accurate depth correlation when run downhole. It is compatible with the 5" or 7" Fullbore Spinner as well as the 1.688" and 2.125" Continuous Spinner.

The temperature sensitive downhole electronics are thermally insulated inside a vacuum flask with a heat sink to reduce the rate of temperature rise within the flask. This allows the 1.75" Geothermal PTS-CCL tool to operate in extreme temperature applications; up to 300°C for 8 hours.

## Features

- 8 hours @ 300°C (600°F)
- 4 hours @ 350°C (660°F)
- External Fast Response Temperature Probe
- Compatible with a Number of Different Flowmeters
- Silicon Pressure Sensor
- 0.1s Fast Sample Rate Option
- Inconel 718 – NACE MR0175

## 1.75" Geothermal PTS-CCL - Inconel 718

| Pressure   | Part No. |
|------------|----------|
| 750 psi    | 107630   |
| 1,500 psi  | 107631   |
| 3,000 psi  | 107632   |
| 6,000 psi  | 107633   |
| 10,000 psi | 107634   |
| 15,000 psi | 107635   |
| 20,000 psi | 107636   |



## Compatible Spinners

| Spinner Type       | Size   | Version          | Part No.    |
|--------------------|--------|------------------|-------------|
| Fullbore Spinner   | 5"     | Standard Service | AM005WA0002 |
|                    |        | H2S Service      | AM005WB0002 |
|                    | 7"     | Standard Service | AM005WA0008 |
|                    |        | H2S Service      | AM005WB0008 |
| Continuous Spinner | 1.688" | Standard Service | AM005WA0004 |
|                    |        | H2S Service      | AM005WB0004 |
|                    | 2.125" | Standard Service | AM005WA0007 |
|                    |        | H2S Service      | AM005WB0007 |

## Accessories

| Accessory Type          | Part No. |
|-------------------------|----------|
| Pelican Case Assembly   | 107775   |
| Redress Kit Viton 90    | 107626   |
| Redress Kit Aflas 7182B | 107627   |
| Redress Kit Chemraz 510 | 107628   |
| Battery Tester          | 110944   |

## Compatible Batteries

| Size | Max Temp | Part No. |
|------|----------|----------|
| AA   | 150°C    | 100408   |
|      | 165°C    | 100804   |
|      | 180°C    | 100805   |
|      | 200°C    | 100409   |

## Specifications

|                        | Pressure               | Temperature  |
|------------------------|------------------------|--------------|
| Accuracy               | 0.03 % F.S.            | 0.25°C       |
| Resolution             | 0.0003% F.S.           | 0.005°C      |
| Drift                  | < 3 psi/year           | < 0.1°C/year |
| Casing Collar Locator  |                        |              |
| Detector Type          | Electromagnetic        |              |
| Flowmeter              |                        |              |
| Maximum Measured Speed | ±12,000 rpm (±200 rps) |              |
| Resolution             | 0.056 rps              |              |
| Memory                 |                        |              |
| Capacity               | 3.2 Million Samples    |              |
| Communication Method   | USB                    |              |