

15 Feeler Kinley Downhole Calipers

Expro provides a range of 15 Feeler Kinley Downhole Calipers: the Kinley Sophomore Caliper, the Kinley Microscopic Caliper and the Kinley Baseline Caliper.

No special downhole or surface data equipment is required to run these Calipers, just a standard slickline tool and surface data equipment. As the Calipers are totally mechanical, temperature and pressure limits are very high and most wells can be logged on one run.

Applications:

- Small size tubular
- High-Temperature, High-Pressure environments
- Precision corrosion assessment
- Pipe deformation detection
- Pipe anomalies detection
- Time offset corrosion monitoring

| Features: | Benefits: |
|--|---|
| Extreme temperature and pressure environment | This purely mechanical instrument can acquire data in virtually unlimited pressure and up to 650°F. No temperature or pressure corrections are required so data quality is not compromised. |
| Extensive track record | Leading the Caliper industry since 1938, Expro's Kinley Calipers have amassed data in thousands of wells all over the world. |
| Coiled tubing ready | Expensive electric line and surface readout equipment are not required. Virtually any conveyance method available at wellsite can be used. |
| Electronic data | Besides the outstanding mechanical features, the data can be quickly analyzed at wellsite and even transmitted to analysis centers for detailed or final interpretation. |
| Tandem Combination | Can be combined with other Kinley Calipers to increase radial coverage |



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Technical Specifications:

Microscopic Caliper

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|------------------------|-----------------------------------|
| Service | H ₂ S, CO ₂ |
| Working Pressure | Unlimited |
| Tensile Strength | 20,000 lbs |
| Working Temperature | 650°F |
| Minimum Tool O.D. (1) | 1.75" |
| Maximum Tool O.D. (1) | 5.92" |
| Maximum Survey per run | 15,400' |
| Make-up Length | 63" |
| Tool Weight | 55 lbs |
| Radial Resolution | One Channel every 24 degrees |
| Vertical Resolution | Continuous Analog Data |

Sophomore Caliper

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|------------------------|-----------------------------------|
| Service | H ₂ S, CO ₂ |
| Working Pressure | Unlimited |
| Tensile Strength | 20,000 lbs |
| Working Temperature | 650°F |
| Minimum Tool O.D. (1) | 1.48" |
| Maximum Tool O.D. (1) | 2.875" |
| Maximum Survey per Run | 14,200' |
| Make-up Length | 54" |
| Tool Weight | 30 lbs |
| Radial Resolution | One Channel every 24 degrees |
| Vertical Resolution | Continuous Analog Data |

Baseline Caliper

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|------------------------|-----------------------------------|
| Service | H ₂ S, CO ₂ |
| Working Pressure | Unlimited |
| Tensile Strength | 20,000 lbs |
| Working Temperature | 650°F |
| Minimum Tool O.D. (1) | 2.25" |
| Maximum Tool O.D. (1) | 15.45" |
| Maximum Survey per run | 18,100' |
| Make-up Length | 93" |
| Tool Weight | 75 lbs |
| Radial Resolution | One Channel every 24 degrees |
| Vertical Resolution | Continuous Analog Data |