

15 Feeler Downhole Calipers

Expro provides a range of 15 Feeler Downhole Calipers, The Sophomore Caliper, the 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 can be run in tandem (30 fingers)

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, Kinley has 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.



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Technical Specifications:

Microscopic Caliper

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)	5.90"
Maximum Survey per run	15,200'
Make-up Length	63"
Tool Weight	55 Lbs
Radial Resolution	One Channel every 24 degrees
Vertical Resolution	Continuous Analog Data

Sophomore Caliper

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

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)	13.375"
Maximum Survey per run	15,200'
Make-up Length	63"
Tool Weight	75 Lbs
Radial Resolution	One Channel every 24 degrees
Vertical Resolution	Continuous Analog Data