

### Downhole Calipers

**Expro provides a range of fully mechanical downhole calipers including: Microscopic Caliper, the Baseline and Mega Data.**

These calipers are used to detect changes to the internal surface condition of tubing or casing. The feelers have a high degree of accuracy and respond to very small anomalies.

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

Leading the caliper industry since 1938, Expro's Kinley calipers have amassed data in thousands of well all over the world.

#### Applications

- Ranges for small size tubular to 16" casing
- High-temperature, High-pressure environments
- Precision corrosion assessment
- Pipe deformation detection
- Pipe anomalies detection
- Time offset corrosion monitoring

Feature	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.
Tandem combination	Can be combined to increase radial coverage.
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	The data can be quickly read at the wellsite and transmitted to analysis centres for detailed or final interpretation.



### Technical specifications

	Microscopic caliper	Baseline caliper	Mega Data caliper
<b>Service</b>	H2S, CO2	H2S, CO2	H2S, CO2
<b>Working pressure</b>	Unlimited	Unlimited	Unlimited
<b>Working temperature</b>	650°F	650°F	650°F
<b>Minimum tool O.D.</b>	1.75"	2.25"	3.62"
<b>Maximum tool O.D.</b>	5.90"	13.375"	17.05"
<b>Maximum survey per run</b>	15,200'	15,000'	15,000'
<b>Make-up length</b>	63"	63"	135.7" (max)
<b>Tool Weight</b>	55 Lbs	75 Lbs	110 Lbs
<b>Resolution</b>	1 channel every 24°	1 channel every 24°	1 channel every 12°
<b>Vertical resolution</b>	Continuous analog data	Continuous analog data	Continuous analog data

### Kinley Digital

Using advanced optical recognition and software, data recorded with any of the calipers can be digitised directly at the wellsite within minutes. The data can then be transmitted to Expro's data analysis centres (DAC) for 24-7 analysis.

Data can be compiled and rendered in a fully interactive 3D model along with the survey report. Data is presented in printed log format and the presentation can be customised to be compatible with customer's standard.



System View

