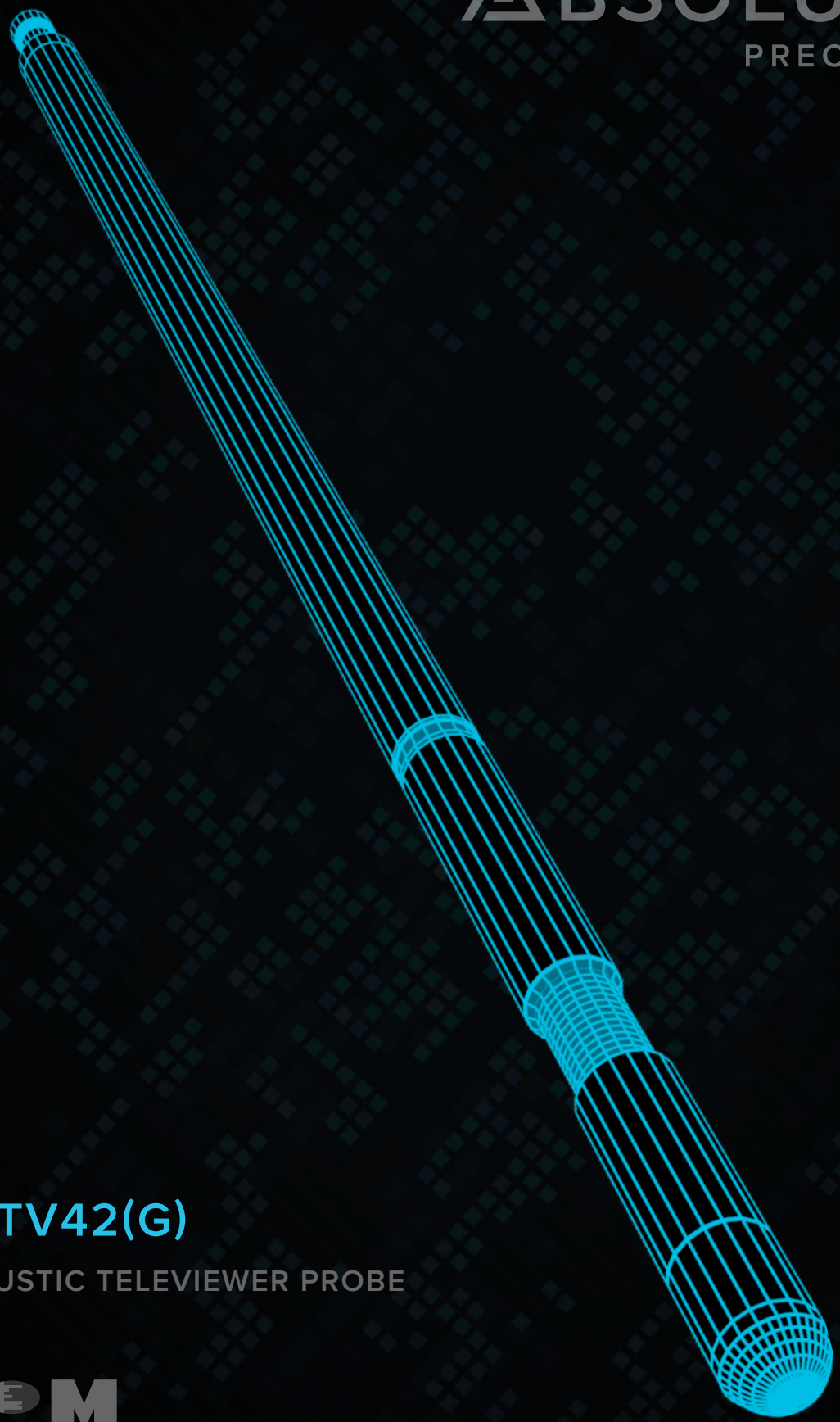
ABSOLUTE
PRECISION



BHTV42(G)

ACOUSTIC TELEVIEWER PROBE

LiM

BHTV42(G)

SPECIFICATIONS

Both versions of the BHTV42 acoustic televiewer tool employ a rotating transducer mounted at the lower extremity of the tool to send a highly focussed ultrasonic pulse radially outwards towards the borehole wall up to 360 times per revolution, the amplitude and travel time of which are measured on its return to the probe after reflection at the borehole wall.

This information, combined with the data given by the tool's onboard orientation system, provides an extremely detailed and orientated acoustic image of the borehole wall.

A high-temperature variant, the BHTV-HT, can operate at up to 125°C.

Specifications

Diameter	42 mm
Length	2 100 mm
Weight	8 kg
Max operating temp	70°C (BHTV42) - 125°C (BHTV-HT)
Max. operating pressure	200 bar
Housing type	titanium & non-magnetic brass

Data / sensor parameters

Transducer	1" focussed piezo-composite sensor and rotating mirror
Signal frequency	1,5 MHz
Acoustic beam angle	3° (3 dB) conical
Amplification	0 to 60 dB in 1 dB steps / AGC
Horizontal resolution	90, 120, 180 or 360 pixels
Vertical resolution	defined by logging speed
Orientation sensor	triple magnetometers / accelerometers
Orientation precision	± 0.5° inclination, ± 1° azimuth

Absolute Precision CA LLP, P.O.Box 055552, Mikrorayon 8 str., building 19a, Almaty, Kazakhstan
phone: +7 707 352 94 74, +7 747 367 05 86; email: info@aplimited.com; website: aplimited.com

BHTV42(G)

SPECIFICATIONS

Accessories / options

Natural gamma detector	ø25 x 50 mm NaI(Tl) crystal
Non-magnetic centralisers	
Sinker weight	
Image reference calibrator	

Borehole conditions

Fluid-filled open borehole	water or light bentonite mud
Probe must be centralised	
Recommended diam. range	60 to 300 mm

Absolute Precision CA LLP, P.O.Box 055552, Mikrorayon 8 str., building 19a, Almaty, Kazakhstan
phone: +7 707 352 94 74, +7 747 367 05 86; email: info@aplimited.com; website: aplimited.com