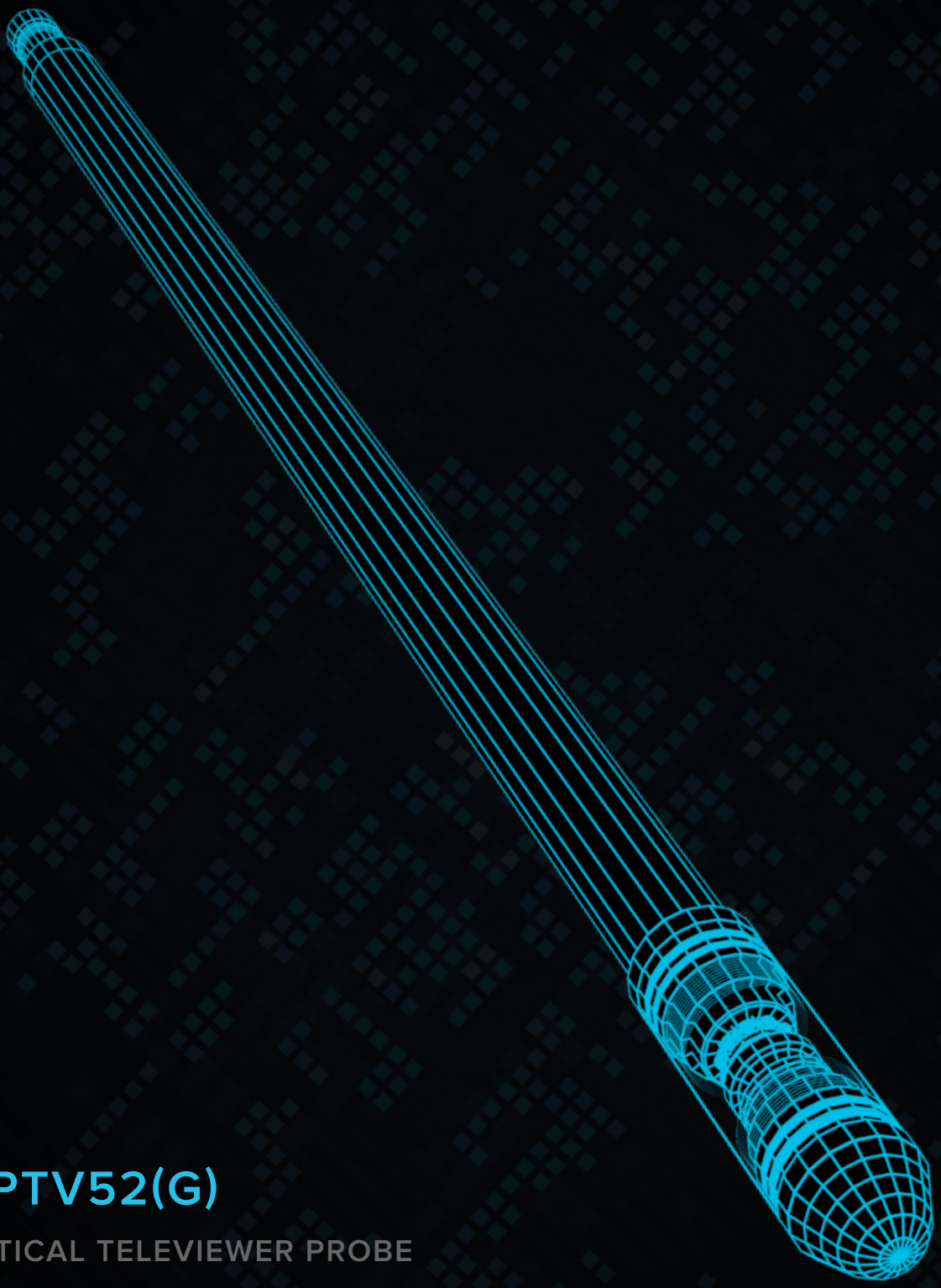
ABSOLUTE
PRECISION



OPTV52(G)

OPTICAL TELEVIEWER PROBE

LiM

OPTV52(G)

SPECIFICATIONS

A precision wide angle lens and a CMOS camera assembly permit the OPTV38 and OPTV52 probes to capture a highdefinition video image of the borehole wall in a variety of horizontal and vertical resolutions. The resulting image data is digitised in the probe and combined with orientation sensor parameters for transmission to the surface.

The orientated image log provides a wealth of information relevant to a wide variety of applications. These include fracture detection and analysis, bedding or foliation dip and direction, lithological characterisation and core sample orientation.

As an option, the probes can be supplied with a natural gamma detector to provide additional lithological information or for horizon correlation purposes. A high-pressure kit for the OPTV52 (200 bar / ø62 mm) is also available.

Specifications

Diameter	52 mm
Length	1 630 mm
Weight	7 kg
Max. operating temp	60 °C
Max. operating pressure	100 bar
Housing type	titanium and non-magnetic brass

Data / sensor parameters

Camera sensor	1 280 x 1 024 pixels CMOS
Image format	24-bit RGB
Horizontal resolution	360 to 1 440 pixels
Vertical resolution	defined by logging speed
Orientation sensor	triple magnetometers / accelerometers
Orientation precision	± 0.5° inclination, ± 1° azimuth

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OPTV52(G)

SPECIFICATIONS

Accessories / options

Natural gamma detector	ø25 x 50 mm NaI(Tl) crystal
High-pressure kit OPTV52	200 bar / ø62 mm (± 2 000 m)
Non-magnetic centralisers	
Sinker weight	
Image reference calibrator	

Borehole conditions

Open borehole	either dry or clean water-filled
Probe must be centralised	
Recommended diam range	OPTV38: 60 to 300mm; OPTV52: 75 to 600 mm

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