

Des

QL40 OBI-2G UV

Optical Borehole Image with ultraviolet (UV) and white light source.

This optical televiewer combines a white light as well as an ultraviolet (UV) light source in the same logging tool. In separate passes images of the borehole wall can be acquired using the white (visible) or the ultraviolet light source. When certain minerals or hydrocarbon are exposed to ultraviolet light characteristic fluorescence can be observed in the resulting images. The samples below show the fluorescence of Calcite and Fluorite minerals as well as Diesel pollution in a Sand body from our lab test site.

Specifications		Optical Sys	stem	Compatibility			
Diameter: Length:	40mm (1.6") 1.49m (58.7")	Sensor: Color res.: Azi. res.: Vert. res.:	1/3" high sensitivity CMOS digital image sensor	Wirelines:	Multi conductor, mono or coaxial OPAL, SCOUT, MATRIX		
Weight: Temperat. (max):	5.3kg (11.7lbs) 70°C (158°F) 200har (2000nai)		24 bits RGB true colors 120, 180, 360, 600,900, 1800 pts	Logging Sys.:			
Azi. accuracy: Tilt accuracy:	2006ar (2900psi) +/- 1.2° +/- 0.5°		User defined. Function of depth encoder resolution.	Software:	Logger Suite v.12.1 b2388 WeIICAD v5.2		

OBI-2G UV - Mineral identification in sand body													
Description		Ima	ge (white lig	ht)	Image (UV light)					Calcite-Fluoride Volumes			
	0°	90°	180°	270°	0°	0°	90°	180°	270°	0°	0	%	100
SAND										-			
CALCITE											James and a start of the start		
SAND													
FLUORITE													
SAND													

OBI-2G UV - Diesel polluted sand body

cription	Image (white light)					Image (UV light)						Diesel Volume		
	0°	90°	180°	270°	0°	0°	90°	180°	270°	0°	0	%	100	
	政府和任	2. .	國民主要的任何	(Asked)				al second			1			

