

# ThruBit Density Tool



## Overview

The ThruBit Density Tool (TBD) provides both bulk density ( $e^b$ ) and photoelectric factor (Pe). Density porosity is also typically output via software calculation. The cesium source, tungsten shielding, and scintillation detectors are all housed in a 20" pad. The pad articulates from the main tool to improve overall measurement quality in deviated and rugous holes. A single arm caliper serves to force the pad against the borehole wall and provide a hole diameter measurement

## SPECIFICATIONS

Length	128 in
Diameter	2-1/8 in
Weight	94 lbs
Max Pressure	15,000 psi
Max Temperature	300 deg F
Max Logging Speed	1,800 fph
Hole Size	4 – 14 in
Bulk Density	1.2 – 3.0 g/cc
Density Vertical Resolution	12" – 18"
Density Depth of Investigation	4"
Density Accuracy	.01 g/cm <sup>3</sup>
Photoelectric Effect	0 – 10 b/el
Caliper	4 " – 16"
Caliper Accuracy	0.1"



