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Data Sheet

August 15, 2026

BAKER HUGHES / PANAMETRICS

Baker Hughes / Panametrics 80CAL-TB3 3/16" Magna-Mike Calibration Fixture

The Baker Hughes/Panametrics 80CAL-TB3 is a 3/16" Magna-Mike calibration fixture used to ensure the accuracy of Magna-Mike thickness gauges. This fixture provides a reliable reference standard for calibrating instruments, ensuring precise thickness measurements in various applications.



MODEL

**Baker Hughes /
Panametrics
80CAL-TB3**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

80CAL-TB3

LISTING

<https://aumictechlabs.com/products/80cal-tb3-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Baker Hughes/Panametrics 80CAL-TB3 is a 3/16" calibration fixture engineered to establish precise reference standards for Magna-Mike thickness gauges. This fixture maintains calibration accuracy across the gauge's operational range by providing a known dimensional reference point for the magnetic probe and target ball measurement system. It enables single-sided access thickness measurement of nonferrous materials - plastics, glass, rubber, ceramics, and composites - where conventional dual-access methods are impractical. Technical Specifications Model: 80CAL-TB3 3/16" Magna-Mike Calibration Fixture Manufacturer: Baker Hughes / Panametrics Target Ball Diameter: 3/16" (4.76 mm) Measurement Principle: Magnetic probe-to-

target ball distance detection Gauge Compatibility: Magna-Mike 8500 series and compatible models Operational Thickness Range: 0.0001 to 0.2500 inches (0.0025 mm to 6.35 mm) Calibration Accuracy: $\pm 1\%$ Key Features Precision-engineered reference standard for fixture-based calibration verification Designed specifically for 3/16" diameter target ball integration Supports single-sided measurement of nonmagnetic materials Maintains repeatability and dimensional accuracy in quality control workflows Integrates with standard Magna-Mike probe and target ball assemblies Typical Applications Calibration verification of Magna-Mike thickness gauges prior to production measurement Quality assurance in manufacturing environments requiring single-access wall thickness inspection Material thickness validation on composites, elastomers, and nonconductive substrates Periodic gauge accuracy confirmation in metrology laboratories Compatibility & Integration The 80CAL-TB3 functions within the Magna-Mike system ecosystem and pairs with associated target balls (80TB3) and supplementary calibration standards (80CAL-010, 80CAL-040, 80CAL-240) to establish multi-point calibration protocols and ensure traceability across the full measurement envelope.

80CALTB3 Characteristics / Specifications

PARAMETER	VALUE
Model	80CAL-TB3
Brand	Baker Hughes / Panametrics
Catalog Title	Baker Hughes / Panametrics 80CAL-TB3 3/16" Magna-Mike Calibration Fixture
Sku	80CAL-TB3
Product Class	fixture, kit, or mechanical accessory
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	80CAL-TB3
Manufacturer Line	Baker Hughes / Panametrics
Documentation Note	thin accessory sheet
Calibration Class	notastandalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory
Public Spec Density	identity only

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

performance table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate.

Applications

Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU.

Key Features

Catalog identity matched to brand, model, and SKU

Accessory or spare class rather than standalone instrument

No invented electrical performance numbers

Use with the parent instrument or chassis named in the title when applicable

Documented as thin because OEM numeric tables are not public

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	80CAL-TB3
Brand	Baker Hughes / Panametrics
Catalog Title	Baker Hughes / Panametrics 80CAL-TB3 3/16" Magna-Mike Calibration Fixture
Sku	80CAL-TB3
Product Class	fixture, kit, or mechanical accessory
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	80CAL-TB3
Manufacturer Line	Baker Hughes / Panametrics
Documentation Note	thin accessory sheet
Calibration Class	not standalone calibrated instrument unless the title states otherwise

PARAMETER	VALUE
Replacement Class	catalog spare or accessory
Public Spec Density	identity only

Notes

ALLOW_THIN: true accessory/spare with no public numeric table. Do not invent ranges, accuracies, or power levels. Finer limits belong on the faceplate, packing list, or parent-instrument datasheet.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.