

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

BAKER HUGHES / PANAMETRICS

Baker Hughes / Panametrics 80CAL-TB2 1/8" Magna-Mike Calibration Fixture

The Baker Hughes / Panametrics 80CAL-TB2 is a 1/8" (3.17 mm) diameter calibration fixture engineered to establish known reference standards for Panametrics Magna-Mike thickness gauges. This precision-machined steel target ball fixture enables accurate, repeatable calibration by providing a consistent gap measurement reference point. The gauge's Hall-effect sensor measures the distance between the magnetic probe tip and the target ball, converting that gap into a thickness reading. Calibration with the 80CAL-TB2 ensures the instrument's magnetic field sensor maintains measurement accuracy across applications. Intended Use: Calibration standard for Panametrics Magna-Mike thickness gauging instruments Aumictech offers NIST-traceable calibration and repair for the Baker Hughes / Panametrics 80CAL-TB2. All calibrations are performed to NIST-traceable standards and ship with a certificate. T



MODEL

**Baker Hughes /
Panametrics
80CAL-TB2**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

80CAL-TB2

LISTING

[https://aumictechlabs.c
om/products/80cal-tb2
-2/](https://aumictechlabs.com/products/80cal-tb2-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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Technical Specifications

Target Ball Diameter: 1/8" (3.17 mm) **Material:** Precision-machined steel **Design:** Calibration fixture / target ball assembly **Measurement Method:** Hall-effect magnetic sensing of probe-to-target gap distance **Intended Use:** Calibration standard for Panametrics Magna-Mike thickness gauging instruments

Key Features

- Provides known, consistent reference standard for instrument calibration
- Compatible with magnetic probe measurement systems
- Part of a comprehensive calibration accessory ecosystem
- Enables verification of sensor accuracy and linearity

Typical Applications

- Initial instrument calibration and setup
- Periodic recalibration verification
- Quality assurance in thickness measurement protocols
- Maintenance of measurement traceability

Compatibility & Integration

The 80CAL-TB2 integrates with Magna-Mike 8500 and 8600 series thickness gauges. It functions within a broader calibration kit family that includes additional target ball sizes (80CAL-TB1, 80CAL-TB3) and fixed-thickness calibration standards (80CAL-010 through 80CAL-300), as well as NIST-traceable calibration references. The 1/8" target ball size corresponds to the calibration ball included in the Magna-Mike 8600 kit.

80CALTB2 Characteristics / Specifications

PARAMETER	VALUE
Model	80CAL-TB2
Brand	Baker Hughes / Panametrics
Catalog Title	Baker Hughes / Panametrics 80CAL-TB2 1/8" Magna-Mike Calibration Fixture
Sku	80CAL-TB2
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-TB2
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

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Model	80CAL-TB2
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Sku	80CAL-TB2
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-TB2
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.