

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

BAKER HUGHES / PANAMETRICS

Baker Hughes / Panametrics 80CAL-TB1 1/16" Magna-Mike Calibration Fixture

The Baker Hughes/Panametrics 80CAL-TB1 is a 1/16" calibration fixture engineered to maintain accuracy and traceability of Magna-Mike thickness gauges in field and laboratory environments. This fixture enables precise probe-to-target alignment during calibration routines, ensuring repeatable measurements across changing environmental conditions and probe orientations. 80CAL-240 (0.240" calibration standard) This fixture is the mechanical reference component in multi-point calibration procedures and is essential for periodic verification and adjustment of Magna-Mike 8500 and 8600 series instruments. Aumictech offers NIST-traceable calibration and repair for the Baker Hughes / Panametrics 80CAL-TB1. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. This Baker Hughes / Panametrics 80CAL-TB1 is I



MODEL

**Baker Hughes /
Panametrics
80CAL-TB1**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

80CAL-TB1

LISTING

<https://aumictechlabs.com/products/80cal-tb1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Baker Hughes/Panametrics 80CAL-TB1 is a 1/16" calibration fixture engineered to maintain accuracy and traceability of Magna-Mike thickness gauges in field and laboratory environments.

This fixture enables precise probe-to-target alignment during calibration routines, ensuring repeatable measurements across changing environmental conditions and probe orientations.

Technical Specifications
Fixture Type: Calibration fixture for 1/16" ball targets
Compatible Gauge Series: Magna-Mike 8500, Magna-Mike 8600
Weight: Approximately 2.1 lb
Form Factor: Handheld, portable design

Key Features
The 80CAL-TB1 integrates with Magna-Mike target balls and calibration standards to establish measurement baselines. Calibration workflows position a 1/16" target ball on one side of test material with the gauge probe on the opposite side - the fixture provides mechanical alignment for both components. The Magna-Mike 8600 executes orientation-specific calibration adjustments via its Q-Cal function, compensating for probe angle variations. Calibration entry requires precise thickness values from associated standards, which the gauge uses to verify and adjust its measurement algorithm.

Typical Applications
Thickness verification across manufacturing and quality control environments:
Aerospace component wall-thickness inspection
Automotive seam and material thickness measurement
Packaging film and plastic bottle wall verification
General manufacturing material inspection

Compatibility & Integration
The 80CAL-TB1 operates within a defined Magna-Mike accessory ecosystem. Compatible calibration targets and standards include: 80TB1 (1/16" target balls) 80CAL-TB2 (1/8" calibration fixture) 80CAL-TB3 (3/16" calibration fixture) 80CAL-010 (0.0100" calibration standard) 80CAL-040 (0.0401" calibration standard) 80CAL-160 (0.1600" calibration standard) 80CAL-240 (0.240" calibration standard) This fixture is the mechanical reference component in multi-point calibration procedures and is essential for periodic verification and adjustment of Magna-Mike 8500 and 8600 series instruments.

80CALTB1 Characteristics / Specifications

PARAMETER	VALUE
Model	80CAL-TB1
Brand	Baker Hughes / Panametrics
Catalog Title	Baker Hughes / Panametrics 80CAL-TB1 1/16" Magna-Mike Calibration Fixture
Sku	80CAL-TB1
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-TB1
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-TB1
Brand	Baker Hughes / Panametrics
Catalog Title	Baker Hughes / Panametrics 80CAL-TB1 1/16" Magna-Mike Calibration Fixture
Sku	80CAL-TB1
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-TB1
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.