



**CAL-PAK
Calibration Fixtures**



CAL-PAK in storage case



TF-IND Fixture Positions AGD and ISO Indicators for Calibration

HOW TO ORDER

1. Select the CAL-PAK set of fixtures or individual fixtures. All fixtures require a MIC TRAC Base Unit.

The CAL-PAK is a collection of precision fixtures that attach to either model of the MIC TRAC measurement center (MT-3000 or MT-4000) to hold inspection gages during calibration (refer to either MIC TRAC Data Sheet for more information). CAL-PAK fixtures are designed to ensure the gage's proper positioning, which is vital in securing the highest calibration accuracy and most consistent measurement results

CAL-PAK fixtures are favorable for gages requiring calibration accuracies of .001" to .0001". Calipers, dial indicators, test indicators, bore gages, micrometers, micrometer standards, and depth gages are just some of the gages that CAL-PAK fixtures handle.

Each fixture comes complete with detailed procedures for setup and operation. Also, individual CAL-PAK fixtures can be purchased separately.

Features

- Calibrate many different types of hand-held gages
- Easily attach to either MIC TRAC model (MT-3000 or MT-4000)
- Provide immediate in-house verification of gage accuracy
- Include detailed step-by-step procedures on setting up and using each fixture





CAL-PAK

The CAL-PAK fixtures are sold as a set or separately.

Model	Description
CAL-PAK	CAL-PAK assorted calibration fixtures and accessory blocks. Package includes the following: TF-1F, TF-CA, TF-DG, TF-IND, TF-LG-2, TF-LG-3, TF-SA, TF-SS, TF-SV, TF-VB, and storage case

CAL-PAK INDIVIDUAL FIXTURES

The CAL-PAK fixtures are also sold separately without a case.

	Model	Description
	TF-1F	Flat face setting blocks provide parallel surfaces for measuring and used for holding certain CAL-PAK fixtures. Precision ground to within .00005". Required when using the TF-DG, TF-SS, and TF-SV. Sold as a set of 2.
	TF-IND	AGD and ISO indicator calibration fixture includes interchangeable bushings (.375" and 8 mm) and TF-2F block. This fixture holds indicators by the stem and contains a quick release feature for changing out indicators.
	TF-DG	Fixture for depth micrometer calibration. Two thumb screws accurately position gages during calibration. Requires one TF-1F block for mounting. Can be accessorized with the TF-SS.
	TF-SS	Support block for extended (longer than 6") micrometer depth rods. Requires one TF-1F block for mounting. Can be used in conjunction with the TF-DG and TF-TI.

CAL-PAK INDIVIDUAL FIXTURES (continued)

	Model	Description
	TF-CA	Dial, digital, and vernier caliper calibration fixture (includes TF-SA support arm). A jaw alignment block ensures precise alignment of the caliper during calibration.
	TF-SA	Support arm for the TF-CA. Can also be used with the TF-SV. Available as a separate fixture.
	TF-SV	Fixture for micrometers (6" and up) and standards calibration. The "V" grooves in these fixtures align the standard or micrometer for an accurate thread lead check. Requires two TF-1F blocks for mounting. Can be used with the TF-SA for added support.
	TF-LG-2	Lead gage calibration fixture for Gagemaker gages (LG-5002) or Allen style gages.
	TF-LG-3	Gagemaker lead gage (LG-5003) calibration fixture. Requires one TF-1F block for mounting.
	TF-VB	"V" block fixture for calibration of Gagemaker's TH-3004 and MRP-2002 Upper arms*

Specifications

Model	Dimensions		Weights
TF-1F	1.5 in x 1.5 in x .75 in	(38 mm X 38 mm X 19 mm)	0.5 lbs. (0.23 kg)
TF-IND	3.5 in x 1.75 in x .75 in	(89 mm X 44 mm X 19 mm)	1.0 lbs. (0.5 kg)
TF-DG	1.75 in x 3.0 in x 2.5 in	(44 mm X 76 mm X 64 mm)	2.0 lbs. (0.9 kg)
TF-SS	1.0 in X 1.0 in X 2.0 in	(25 mm X 25 mm X 51 mm)	0.5 lbs. (.23 kg)
TF-CA	2.0 in X 2.5 in X 1.75 in	(51 mm X 64 mm X 44 mm)	1.0 lbs. (0.5 kg)
TF-LG-2	2.25 in X 1.75 in X 1 in.	(57 mm X 44 mm X 25 mm)	0.175 lbs. (0.09 kg)
TF-LG-3	2.25 in X .75 in X 1.5 in.	(57 mm X 19 mm X 38 mm)	0.21 lbs. (0.1 kg)
TF-SA	14.0625 in. X 8.5" in. X 2.5 in.	(357 mm X 216 mm X 64 mm)	5.0 lbs (2.3 kg)
TF-SV	1.0 in X 1.5 X 2.0 in	(25 mm X 38 mm X 51 mm)	0.5 lbs. (0.23 kg)
TF-VB	4.5 in. X 1.75 in X 1.75 in.	(115 mm X 44 mm X 44 mm)	0.5 lbs. (0.23 kg)