



#### **Audit-Proof Calibration**

**Procedural Consistency** 

Electronic Flexibility

**Quality Assurance** 

Extra Safety

# **Calibration and Certification**

for Compliance and Beyond



# **Ensure Quality and Compliance**with Unmatched Ease and Consistency

With calibration and certification services from METTLER TOLEDO, you can be relaxed about compliance. Consistent global procedures, readily available documentation and valuable data let you manage performance beyond the next audit.

Profit from METTLER TOLEDO calibration services with professional and self-explanatory certificates for industrial weighing equipment. Our certificates assure full compliance with regulatory and industry standards and prove your results are accurate and precise. Be confident that your scales perform to specification — and that your auditor knows it too.

#### **Procedural Consistency**



Do you need long-term consistency for your calibration procedures?

METTLER TOLEDO authorized technicians calibrate and certify your scales with our proprietary Mira-Cal<sup>TM</sup> software. Pre-set calibration workflows guarantee audit-proof testing procedures consistently executed by all technicians across all countries and industries.

#### **Electronic Flexibility**



Are you concerned about preserving your calibration history?

METTLER TOLEDO administers your certificates in PDF format allowing for environmentally sound, paperless archival and retrieval at any time. All certificates are safely stored on your computer and readily available upon request from our secure database backup.

#### **Quality Assurance**

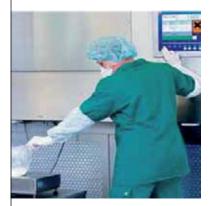


Are you looking for a state-of-theart certification system?

Computer-generated METTLER
TOLEDO certificates eliminate
human errors in the application
of correct standard levels, the
calculation of tolerances, as well
as certificate generation. Fully
traceable certificates will satisfy
your auditor and give you all the
information you need to be on top
of performance management.



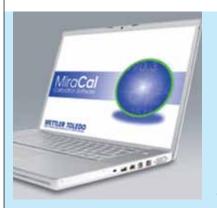
#### **Extra Safety**



Are you looking for a smart way to significantly reduce your weighing risk?

Knowing the minimum weight adds essential extra reliability to your weighing processes. The Minimum Weight certificate defines the lowest weighing limit for your specific tolerances and safety factors, applying to the unique METTLER TOLEDO Good Weighing Practice™ (GWP™) methodology.

#### The METTLER TOLEDO Advantage



MiraCal<sup>™</sup>, the proprietary calibration and certification system of METTLER TOLEDO, provides total consistency by guiding our service technicians through globally-applicable standard operating procedures. It provides full traceability of your certificates

and paperless delivery, thus significantly supporting your efforts towards achieving a more sustainable working environment.

Choose METTLER TOLEDO for your calibration and certification needs. Our service technicians are eager to help you achieve the highest levels of performance and compliance for a smooth audit. No matter how small or large your operation, you will benefit from experienced service technicians who have access to a worldwide network of resources and industry experts.

### All the Information You Need

## Neatly in One Place

#### Eccentricity

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o'	10	Clemen	200 Eng	No.	200 ting -	169
- 1	× ×	Let Fore:	200 0 kg	.00%g	200 ting	2049
		Left New	200 G kg	00kg	200 0 kg	Diving
		Reinfaur	200 0 kg	0.049	2000949	Dilika
		Poplar France	200 ting	DOME	200 0 kg	DOME

#### Eccentricity Test

States the measurement deviation of off-center loading

#### Linearity

	Al Frant					
	Asimonal Value	Australi	Dec	Alcohold Disc	Minin Francisco	
. 0	1 to	864g	20 kg	dition	788	
1	70 kg	700kg	Elling	0114	783	
2	250 kg	290 (Ltp:	Udag	0.514	715	
4.	500 kg	500 E No.	DOM	786	718	
8	Hicko	755.0 kg	20kg	180	V13	

#### Linearity

Assesses the linear relationship of incremental sample sizes

#### Repeatability

Test	Weight 200 kg		
	Without Tear Weight	With Test Weight	Active Value
ř.	00 kg	200 0 kg	2000 kg
2	0.0 kg	200 0 kg	200.0 kg
3	00 kg	200 0 kg	200 0 kg
4	0.0 kg	200 0 kg	2000 kg

#### Repeatability

Determines the consistency of successive measurements

#### Measurement Uncertainty

Linett Appliet	*	2.64	1044	250 49	500 Ng
Condense? Uncertainty	udic	10.1416	entary.	10.1410	30.15%
Linds Applied	14	750 kg	7000 kg	1500 kg	NA
Combined Uncertainty	natio-	x 0.15 kg	x D (Seg	x 0.15 kg	NA.

#### **Measurement Uncertainty**

Calculates relative and systematic error of the results

#### Minimum Weight

	Saley Factors					
Weghing Accuracy	Tx Includely facing	2n (swhely factor of 2)	Se James Sector of 31	Se yaelely factor of S		
0.1%	282.8 kg	575.3 kg	875.0 kg	15000 Ding		
02%	140.0 kg	285 8 kg	428.6 + g	704 1 kg		
25%	56.1 kg	112.6 kg	160 A kg	263.8 kg		
1%	28 0 kg	56 1 kg	84.3 kg	140.9 kg		
2%	14.0 kg	200 kg	42149	10.2 kg		

#### **Minimum Weight**

States the minimum allowable weight for given tolerances

#### Reference Weights

Tracestelly		metricogical seeing are traceable to national or insimational this were calibrated and certified by an accredited calibration		
Weight Set 1				
Weight Set No.	MH	Certificate Number	200	
Dass	MI	Calle of tissue.	11-34-2011	
Calibration Due Dute.	11-34-2011			
		Description 7	1000000000	

#### **Reference Weight Traceability**

Proves the reliability of the applied test weights

#### www.mt.com/service

For more information

#### USA

Mettler-Toledo, Inc. 1900 Polaris Parkway Columbus, OH, 43240 Tel. (1) 800 523 5123

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#### USA

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