

India - The JE Jewelry Entry Balance Line

Jewelry Portfolio extension



METTLER TOLEDO

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1. Introduction

We are pleased to announce the introduction of the new JE Jewelry Entry balances. The new line completes our Jewelry portfolio to support you in your fight against other brands on the market.

We can now offer 3 carat levels and 4 gold levels to fully meet the needs of all customers in the jewelry business:



		JP-Plus	JS – Standard	JE- Entry	JL Jewelry Light
Capacity	Gold Carat	42 g – 32 kg 210 ct – 1600 ct	820 g – 8 kg 700 ct – 1600 ct	320 g – 3200 g 500 ct - 1100 ct	610 g – 6 kg
Readability	Gold Carat	0.01 mg – 0.1 g 0.1 mct – 0.001 ct	0.001 g – 0.1 g 0.001 ct	0.001 g – 0.01 g 0.001 ct	0.01 g – 0.1 g
Applications		9	8	7	4
Adjustment		FACT	INT adjustment	EXT adjustment INT adjustment	EXT adjustment
Connectivity		2 x RS232*	RS232	RS232	RS232
Legal for Trade		Ex factory verified	Ex factory verified	Ex-factory verified	Requires second-step verification at place of use

* Except JP150DUG, JP16001G, JP32001G which have 1 USB and 1 RS232

The JE line is targeted at the following segments:



Jewelry Retailing

In markets where jewelry is customarily priced by weight, a quality balance is one sign of reputation that no retailer or manufacturer can do without.



Gemstone Weighing

Accurate, rugged and portable: that is what the gemstone trade expects in a carat balance. Impeccable results, regardless of location, are crucial to business.

2. Key Values JE Jewelry Entry

Everyday Efficiency



The easy-to-use interface enables direct access to applications and balance functions for fast and efficient daily tasks.

- Intuitive menu
- Easy-to-read display
- 7 built-in applications

Reliable Results



State-of-the-art weighing technology ensures stable and accurate results.

- Fast settling times
- Trustworthy results
- Your reputation assured

Designed to Last



JE balances are built to last. The solid construction and high quality materials ensure you can rely on accurate results for many years to come.

- Solid metal base
- Robust weighing cell
- Overload protection up to 100kg

The three key values that identify brand superiority and differentiation for METTLER TOLEDO also support the Jewelry lines:

METTLER TOLEDO Brand



METTLER TOLEDO is a leading manufacturer of precision instruments: forever committed to delivering precise, reliable and innovative products and solutions.

Service Network



Working with a METTLER TOLEDO balance gives you access to a worldwide network of local service and training, providing you with professional support in a timely and efficient manner.

Swiss Weighing



Just like Swiss timepieces, METTLER TOLEDO balances from Switzerland have become synonymous throughout the world with reliability, accuracy and durability.

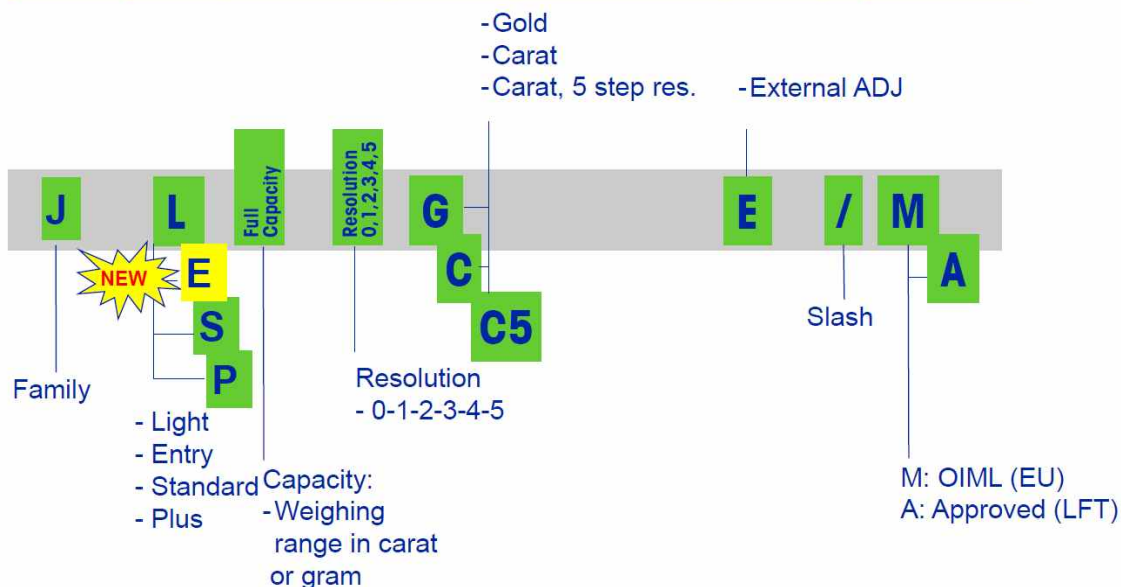
3. The New Product

3.1. JE Entry Model Overview

Readability	Model	Capacity	Pan Size	Calibration	External calibration weight supplied	Carat Pan supplied
0.001 ct / 0.1mg	JE503CE/A	505 ct / 101 g	90 mm	Cal Ext	100g	Small
	JE503C/A	505 ct / 101 g	90 mm	Cal Int	-	Small
	JE703CE/A	700 ct / 140 g	90 mm	Cal Ext	100g	Small
	JE703C/A	700 ct / 140 g	90 mm	Cal Int	-	Small
	JE1103CE/A	1100 ct / 220 g	90 mm	Cal Ext	100g	Small
	JE1103C/A	1100 ct / 220 g	90 mm	Cal Int	-	Small
0.001 g	JE303GE/A	320 g	180x180 mm	Cal Ext		
0.01 g	JE1002GE/A	1200 g	180x180 mm	Cal Ext		
	JE2002GE/A	2200 g	180x180 mm	Cal Ext		
	JE3002GE/A	2200 g	180x180 mm	Cal Ext		






3.2. Naming Concept

Product Designation						
Segment	Level	Capacity & Resolution	Design	Range & additional Info	CalExt	LFT



3.3. Key Features Jewelry JE

With following key features JE balances are definitely a step ahead of our main competitors in the Entry market:

Feature	Description	Benefit	Value
 <p>Large Backlit Display</p>	<p>High Contrast LCD Display: Large numbers & clear symbols Maximum readability regardless of lighting conditions SmartTrac residual range during weighing</p>	<p>Clearly visible under all lighting conditions, largest digit size in the Entry market</p>	<p>Easy to read Error-free reading</p>
 <p>Intuitive user interface</p>	<p>Smart Operation: intuitive user interface 5 tactile mechanical buttons Quick access to all built-in applications & the Adjustment Menu. "ESC" functionality: press "C" to exit at any time</p>	<p>Easy access and intuitive operation for the customer.</p>	<p>Easy to use</p>
 <p>Removable draft shield and pan support</p>	<p>The complete draft shield and the pan support are removable</p>	<p>Easy access to all parts of the balance for cleaning – no need to move the balance.</p>	<p>Efficient to clean Easy to transport</p>
 <p>Easy leveling</p>	<p>The large leveling feet and the level indicator are at the front.</p>	<p>Easy to check the level indicator and level the balance.</p>	<p>Easy to use Stable balance</p>
 <p>Reinforced metal bottom housing</p>	<p>The durable and robust metal bottom housing protects the sensitive weighing sensor from environmental influences and impacts.</p>	<p>Aluminum guarantees consistent, high precision measurement results, even under harsh conditions over many years.</p>	<p>Long lifetime</p>


3.4. Applications and Features Overview

With the introduction of the new JE balances, we are confident that our Jewelry portfolio offers customers the optimum range of value-added features. Each Jewelry line presents winning arguments in its class.



	Description	JP	JS	JE	JL
	FACT Fully automatic time and temperature controlled internal adjustment	Yes	No	No	No
	Manual Internal Adjustment On demand, at a key press with an internal weight	Yes	Yes	No (LFT models, yes)	No
	External Adjustment On demand, at a key press with an external weight	Yes	Yes	Yes	Yes
	MonoBloc Proven weighing technology for fast and accurate results (JP105DUG has HRT weighing cell)	Yes	Yes	Conv. Weighing Cell	Strain gauge
	Battery Full independence from power supply for 8 hours (Except JP105DUG, JP16001G, JP32001G)	Yes	Yes	No	Yes
	Interface For connecting a PC, printer or aux. display (JP105DUG, JP16001G, JP32001G have RS232 & USB)	2 x RS232	RS232	RS232	RS232
	Display Modern display technology for maximum readability	HCD	LCD backlight	LCD backlight	LCD
	Below Weighing Hook for weighing below the balance	Yes	Yes	Yes	Yes
	Metal Bottom Housing High-grade die-cast aluminum bottom housing (JP has full metal housing)	Yes	Yes	Yes	No
	Overload Protection Protects the weighing cell against excess weight overload	Yes	Yes	Yes	Yes
	QuickLock Quick and comfortable dismantling of the draft shield (JP105DUG)	Yes	No	No	No
	Protective Cover Protects the balance from stains and scratches	Yes	Yes	Yes	Yes
	SmartKey Programmable key for shortcut access to preferred applications (JP105DUG, JP16001G, JP32001G with 3 SmartKeys)	Yes	Yes	Yes	No
	Display Increment Faster weighing with reduced readability at a key press	Yes	Yes	Yes	Yes
	SmartTrac Shows how much of the entire weighing range has been used	Yes	Yes	Yes	No
	Settings Protection Main balance configurations are protected against tampering	Yes	Yes	Yes	No



	Description	JP	JS	JE	JL
	Density Embedded measurement software for density determination of liquids and solids	Yes	No	No	No
	Piece Counting	Yes	Yes	Yes	Yes
	Percent Weighing	Yes	Yes	Yes	Yes
	Statistics	Yes	Yes	Yes	No
	Check Weighing	Yes	Yes	Yes	No
	Totaling	Yes	Yes	Yes	No
	Free Factor For multiplication and division calculations	Yes	Yes	Yes	Yes
	ReCall Stores the most recent stable weight value (except JL1502G/O1)	Yes	Yes	Yes	Yes
	Diagnostics Easy running of balance diagnostics tests, e.g. keypad test, repeatability test	Yes	Yes	No	No
	Service Automatic reminder to conduct the routine accuracy test (Default setting globally is OFF)	Yes	Yes	Yes	No
	Date and Time Built-in function	Yes	Yes	Yes	No
	Multiple Weighing Units ct, g, mg, kg, pound, ounce, troy ounce, grain, pennyweight, momme, mesghal, Hong Kong tael, Singapore tael, Taiwan tael, tola, Baht (subject to country regulations)	Yes	Yes	Yes	Yes
	Toggle Key Switch between two preferred weighing units with just one key press	Yes	Yes	Yes	No
	Standby Mode Energy saving auto standby mode (can be deactivated)	Yes	Yes	Yes	No
	Auto Print Data can be automatically printed as each measurement is made	Yes	Yes	Yes	No
	PC direct Transfer weighing data to a PC without additional software	Yes	Yes	Yes	No
	LabX direct PC software for easy data transfer to standard PC	Yes	Yes	Yes	Yes
	Legal for Trade OIML, NTEP	Ex factory	Ex factory	Ex factory	2 step verification

3.5. Accessories and Consumables



Description	ME No.	JP Large	JP105 DUG	JP/JS/JE 0.001 g&ct	JP/JS/JE 0.1g – 0.01g	JE	JL
Draft shields	For precision balances ML-DS-21 JE draft shield 0.1ct and 1mg	12121015 30042884				x	
Weighing pan	Weighing pan Ø 160mm and pan support for 0.01 g and 0.1 g balances in combination with draft shield 30042884	30042896				x	
Printer	RS-P25 printer	11124300	x	x	x	x	x
	RS-P26 printer with Date / Time	11124303	x	x	x	x	x
	RS-P28/11 printer with Date / Time, Statistics, Totaling	11124309	x	x	x	x	x
Battery pack	PowerPac-M-12V	12122363	x		x	x	x
Auxiliary displays	RS-AD-7J, with brilliant backlit display	12122380	x	x	x	x	
	RS-AD-7	72213564					x
Protective covers	JP Large	12121852	x				
	JP105DUG	11142306		x			
	JP, JS with draft shield	12122030			x		
	JP, JS without draft shield	12122031		x			
	JE with draft shield	30037742				x	
	JE w/o draft shield	30042890				x	
	JL-G (L)	12102980					x
Dust cover	Dust cover ML-DS-85	30028926			x		
	Dust cover ML-DC-265	30028927		x			
	Dust cover for models with draft shield 170mm	30029050				x	
	Dust cover for models w/o draft shield	30029051				x	
LabX	LabX direct balance (simple data transfer)	11120340	x	x	x	x	x
Interface cables	RS9-RS25 (m/f): connection cable for PC, 2m	11101052	x	x	x	x	x
	RS9-RS9 (m/f): connection cable for PC, 1m	11101051	x	x	x	x	x
	USB-RS232 cable	11103691	x	x	x	x	x
Anti-theft device	Steel cord with lock	11600361	x	x	x	x	
	Steel cord with lock JL	590101				x	
AC adapters	Universal AC adapter set	11120270		x	x	x	x
Hook for weighing below the balance	For JP Large	11132565	x				
Transport case	Transport case JP105DUG	30006317		x			
	Transport case JS, JP without draft shield	11124240		x			
	Transport case JL	12102982	x				
	Transport case JE with draft shield (0.001g, 170mm)	30046405					x
	Transport case JE models w/o draft shield	30046406					x
Carat pan	Carat pan L	12102647			x	x	x
	Carat pan M	12102646			x	x	x
	Carat pan S	12102645			x	x	x
	Carat pan XS	12102565	x			x	x
Density kit	MS-DNY-54	11142144		x			
	ML-DNY-43	30004077			x		
	ME-DNY-4 (Carat balances only)	30029886					x




4. Service




4.1. Repair Concept JE

The JE balances have been designed and developed to comply with the METTLER TOLEDO service concept and ensure our customers a long balance lifetime.

4.2. Spare Parts and Accessories

All items classified as an "Accessory" can be replaced by the user and have to be available for our customers. All items defined as a "Spare Part" can be replaced only by METTLER TOLEDO service technicians or authorized dealers.

Accessories – can be replaced by the customer / end user				
Order No.	Description	1mct JE703C 	0.001g JE303G 	0.01g JE3002G 
30042884	Set DS Low ME Draft shield with sliding doors "1mg" (175mm)		X	
30042885	SP Glass Door Side Low DS ME, Side glass door (175 mm)		X	
30042886	SP Glass Door Top Low DS ME, Top glass door (175 mm)		X	
30042887	SP Glass Rear Low DS ME, Rear glass (175 mm)		X	
30037736	SP Pair of Handles DS ME, Pair of handles	X	X	
30037737	SP Pan with Pan Support 90mm ME Weighing pan with pan support 90mm	X		
30042889	SP Pan with Pan Support 120mm ME Weighing pan with pan support 120mm		X	
30042895	SP Pan with Pan Support 180X180 ME Weighing pan with pan support 180X180mm		X	
30042896	SP Pan with Pan Support 160mm ME Weighing pan with pan support Ø160mm		X	
12122043	SP Wind Ring 90mm ME, Wind Ring 90mm	X		
30042897	SP Wind Ring 180X180 ME, Wind ring 180x180mm		X	
30042890	SP Protective Cover ME Protective cover for models with or without draft shield (175m)		X	X
30037744	SP Pair of Leveling Feet ME, Pair of leveling feet	X	X	X
Spare Parts – to be replaced by the service technician				
30037739	SP Bottom Plate DS ME, Bottom plate	X	X	
30042901	SP Bottom w/o DS ME, Bottom plate		X	
30037740	SP Housing top assembled ANA ME Housing top assembled with keypad w/o model name	X		
30042902	SP Housing top assembled PRECI ME Housing top assembled with keypad w/o model name		X	X
30037741	SP Keypad w/o Model Name ME, Keypad w/o model name	X	X	X
30037743	SP Level Bubble ME, Level bubble	X	X	X
30037745	SP Inlay for Keys ME, Inlay for keys	X	X	X
30042872	SP PCBA LCD ME, Display with PCB and Cable	X	X	X
30042873	SP Cable Display ME, Cable Display	X	X	X
30042874	SP Balance PCBA ME, Balance PCB	X	X	X

Order No.	Description	1 mct JE703C 	0.001g JE303G 	0.01g JE3002G 
30042875	SP Assembly PCBA CON ME Interface PCB with Connection Plate and Cable Interface PCB - Balance PCB	X	X	X
30042876	SP Cable CON ME Interface PCB with Connection Plate and Cable Interface PCB - Balance PCB	X	X	X
30042877	SP Cell with Cable NAG ME, Cell with Cable cell NAG	X		
30042878	SP Cable Cell NAG ME, Cable Cell NAG	X		
30042879	SP InCal Drive with Cable ME IntCal Drive with Cable InCal Drive	X		
30042880	SP Cable InCal Drive ME, Cable InCal Drive	X		
30042891	SP Cell with Cable Cento 3D ME, Cell with Cable cell Cento		X	
30042900	SP Cell with Cable Cento 2D ME, Cell with Cable cell Cento		X	
30042892	SP Cable Cell Cento ME, Cable Cell Cento		X	X
30042892	SP Cable Cell Cento ME, Cable Cell Cento		X	X
30042879	SP InCal Drive with Cable ME, IntCal Drive with Cable InCal Drive		X	X
30042880	SP Cable InCal Drive ME, Cable InCal Drive		X	X
11120270	SP AC/DC universal adapter ME, AC/DC universal adapter	X	X	X
30042882	SP Packaging complete High DS ME Packaging complete 235mm Draft Shield	X		
30042883	SP Export Carton High DS ME Export carton 235mm Draft Shield	X		
30042893	SP Packaging complete Low DS ME Packaging complete 175mm Draft Shield		X	
30042894	SP Export Carton Low DS ME Export carton 175mm Draft Shield		X	
30042898	SP Packaging complete w/o DS Packaging complete without Draft Shield		X	
30042899	SP Export Carton w/o DS ME Export carton without Draft Shield		X	

4.3. Service Manuals

The service manuals provide detailed information to guide you through the entire repair process. They can be obtained from www.mettler-toledo-support.com



SERVICE



INTERNET

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