

# VWR® NTEP balances

01. FIVE-YEAR WARRANTY  
ON ALL BALANCES

02. LARGE VARIETY OF  
CAPACITIES AND  
READABILITIES  
AVAILABLE WITH NTEP  
CERTIFICATION

03. AFFORDABLY PRICED  
WITH ADVANCED  
FEATURES

04. ALL BALANCES  
AVAILABLE WITH ISO  
17025:2017 CERTIFICATE  
OF CALIBRATION



# Legal-for-Trade certification

**FIVE-YEAR WARRANTY**

## VWR® T-SERIES BALANCES WITH NTEP CERTIFICATION

- **NTEP Certification.** The VWR T-Series with NTEP Certification feature Class I and Class II devices to be utilized in Legal-for-Trade Applications.
- **Internal automatic calibration and adjustment**
- **Built-in proximity sensor** allows users the opportunity to have touch-free options performed by motioning over the sensors (e.g., printing results).
- **User-friendly draft shield** is standard on semi-micro and analytical models. The internal dimensions [16.0 x 16.8 x 23.0 cm (6.25 x 6.6 x 9")] and three sliding doors allow for easy access to the chamber. The draft shield doors, stainless steel weigh pan, and draft chamber floor are easy to remove for cleaning.
- **Multiple interfaces** allow for easy connections between your balance and a computer or printer via the wireless, two RS232 ports, Ethernet, and USB (two types, A & B) interfaces.
- **Aluminum Base.** The aluminum base on all analytical models, guarantees consistent weighing system stability.
- **ISO 17025:2017 Calibration Certificate Available.** Option to purchase the NTEP Certified Balance with a Certificate of Calibration providing comprehensive and traceable results.
- **Five-year warranty** offered on all VWR T-Series Balances.



## features

- NTEP Certification for legal-for-trade applications
- Class I and Class II options
- Large, 12.7 cm (5") color capacitive touch screen display
- Internal, automatic calibration
- Five-year warranty

### Specifications

Calibration Adjustment:	Internal, Automatic
Operating Temperature:	10–40°C (50–104°F)
Relative Humidity:	40–80% (Non-condensing)
Interface:	RS232 (2), USB-A & USB-B, Ethernet, Wireless
Display:	5" Color Capacitive Touch Screen
Power Requirements:	Input: 100–240VAC, 50–60Hz, 0.6A
Unit Dimensions, L x W x H, cm (in.):	
0.01mg & 0.1mg Models	35.1 x 20.6 x 34.8 cm (13.8 x 8.1 x 13.7")
0.001 g and below Models	33.3 x 20.6 x 10 cm (13.1 x 8.1 x 4")
Internal Chamber Dimensions:	19 x 19 x 22.2 cm (7.5 x 7.5 x 8.7")
0.01 mg & 0.1mg Models	

Model	Capacity	Readability [d]	Readability [e]	Class	Linearity	Repeatability	Stabilization time	Pan size	Cat. No.	Cat. No. w/Cal Cert*
<b>Semi Micro &amp; Analytical Models</b>										
VWR-105TC.N	120 g	0.01 mg	1 mg	I	±0.07 mg	0.04 mg	2 s	9 cm (3.5")	76458-442	76458-502
VWR-205TC.N	82/220 g	0.01/0.1 mg	1 mg	I	±0.05/0.2 mg	0.1 mg	2 s	9 cm (3.5")	76458-444	76458-504
VWR-160TC.N	160 g	0.1 mg	1 mg	I	±0.2 mg	0.1 mg	2 s	10 cm (4")	76458-446	76458-506
VWR-220TC.N	220 g	0.1 mg	1 mg	I	±0.2 mg	0.1 mg	2 s	10 cm (4")	76458-448	76458-508
VWR-310TC.N	310 g	0.1 mg	1 mg	I	±0.2 mg	0.15 mg	2.5 s	10 cm (4")	76458-450	76458-510
<b>Precision Models</b>										
VWR-363TC.N	360 g	0.001 g	0.01 g	II	±0.002 g	0.001 g	2 s	12.8x12.8 cm (5x5")	76329-392	76329-392
VWR-1003TC.N	1000 g	0.001 g	0.01 g	II	±0.003 g	0.001 g	2 s	12.8x12.8 cm (5x5")	76329-394	76329-394
VWR-2102TC.N	2100 g	0.01 g	0.1 g	II	±0.02 g	0.008 g	2 s	19.5x19.5 cm (7.7x7.7")	76329-396	76329-396
VWR-4500TC.N	4500 g	0.01 g	0.1 g	II	±0.02 g	0.008 g	1.5 s	19.5x19.5 cm (7.7x7.7")	76458-452	76458-512
VWR-6100TC.N	6100 g	0.01 g	0.1 g	II	±0.03 g	0.008 g	1.5 s	19.5x19.5 cm (7.7x7.7")	76458-454	76458-514
VWR-8100TC.N	8100 g	0.01 g	0.1 g	II	±0.03 g	0.01 g	1.5 s	19.5x19.5 cm (7.7x7.7")	76458-456	76458-516

\*Cat. No. w/Cal Cert includes the balance and an ISO 17025:2017 Certificate of Calibration

# Legal-for-Trade certification



## VWR® A-SERIES BALANCES WITH NTEP CERTIFICATION

- **NTEP Certification.** The VWR A-Series with NTEP Certificate feature Class I and Class II devices to be utilized in Legal-for-Trade Applications.
- **Internal automatic calibration and adjustment**
- **Advanced communication features** allow the balances to connect to a printer or network via the RS232 (2) or USB (two types, A & B) ports. Data may be transferred manually by pressing the print/enter key or program the balance to send information automatically at designated time intervals and stability settings.
- **User-friendly draft shield** is standard on semi-micro and analytical models. The internal dimensions [19 x 19 x 22.2 cm (7.5 x 7.5 x 8.7")] and three sliding doors allow for easy access to the chamber. The draft shield doors, stainless steel weigh pan, and draft chamber floor are easy to remove for cleaning.
- **Aluminum Base.** The aluminum base on all analytical models, guarantees consistent weighing system stability.
- **ISO 17025:2017 Calibration Certificate Available.** Option to purchase the NTEP Certified Balance with a Certificate of Calibration providing comprehensive and traceable results.
- **Five-year warranty** offered on all VWR A-Series Balances.



## features

- Internal calibration
- NTEP certification for legal-for-trade applications
- Class I and Class II options
- Large LCD backlit display
- Five-year warranty

### Specifications

Calibration Adjustment:	Internal, Automatic
Operating Temperature:	10–40°C (50–104°F)
Relative Humidity:	40–80% (Non-condensing)
Interface:	RS232 (2), USB-A & USB-B, Wireless
Display:	White Backlit LCD
Power Requirements:	Input: 100–240VAC, 50–60Hz, 0.6A
Unit Dimensions, L x W x H, cm (in.):	
0.01 mg & 0.1 mg Models	33.5 x 20.6 x 34.8 cm (13.8 x 8.1 x 13.7")
0.001 mg and below Models	33.3 x 20.6 x 10 cm (13.1 x 8.1 x 4")
Internal Chamber Dimensions: 0.01mg & 0.1mg Models	19 x 19 x 22.2 cm (7.5 x 7.5 x 8.7")

Model	Capacity	Readability [d]	Readability [e]	Class	Linearity	Repeatability	Stabilization time	Pan size	Cat. No.	Cat. No. w/Cal Cert*
<b>Semi-Micro &amp; Analytical Models</b>										
VWR-105AC.N	120 g	0.01 mg	1 mg	I	±0.07 mg	0.05mg	2 s	9 cm (3.5")	76458-458	76458-532
VWR-205AC.N	82/220 g	0.01/0.1 mg	1 mg	I	±0.05/0.2 mg	0.1 mg	2 s	9 cm (3.5")	76458-460	76458-534
VWR-160AC.N	160 g	0.1 mg	1 mg	I	±0.2 mg	0.1 mg	2 s	10 cm (4")	76458-462	76458-536
VWR-220AC.N	220 g	0.1 mg	1 mg	I	±0.2 mg	0.1 mg	2 s	10 cm (4")	76458-464	76458-538
VWR-310AC.N	310 g	0.1 mg	1 mg	I	±0.2 mg	0.15 mg	2.5 s	10 cm (4")	76458-466	76458-540
<b>Precision Models</b>										
VWR-363AC.N	360 g	0.001 g	0.01 g	II	±0.002 g	0.001 g	2 s	12.8x12.8 cm (5x5")	76329-406	76329-394
VWR-1003AC.N	1000 g	0.001 g	0.01 g	II	±0.003 g	0.001 g	2 s	12.8x12.8 cm (5x5")	76329-408	76329-396
VWR-2102AC.N	2100 g	0.01 g	0.1 g	II	±0.02 g	0.008 g	1.5 s	19.5x19.5 cm (7.7x7.7")	76329-410	76329-398
VWR-4500AC.N	4500 g	0.01 g	0.1 g	II	±0.02 g	0.008 g	1.5 s	19.5x19.5 cm (7.7x7.7")	76458-468	76458-542
VWR-6100AC.N	6100 g	0.01 g	0.1 g	II	±0.03 g	0.008 g	1.5 s	19.5x19.5 cm (7.7x7.7")	76458-470	76458-544
VWR-8100AC.N	8100 g	0.01 g	0.1 g	II	±0.03 g	0.01 g	1.5 s	19.5x19.5 cm (7.7x7.7")	76458-472	76458-546

\*Cat. No. w/Cal Cert includes the balance and an ISO 17025:2017 Certificate of Calibration



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