

# TP Series

Tuning Fork Precision Balance

Capacity: 220g-12,000g    Readability: 0.001g-0.1g



## Standard Features

- External weight calibration
- Large, 16,5 mm-high backlit liquid crystal display (LCD)
- Selectable modes: Weight, Unit, Count and Percentage
- 12 units of measurement
- Mono-Metal Tuning Fork Sensor (MMTF) provides quick response and stability
- 20-step bar graph display
- 115VAC adapter included (230VAC optional)
- One part in 620,000 resolution
- RS-232 bidirectional
- Plastic housing on models < 1.000g, plastic top and die cast bottom on models > 1.000g

## Optional Features

- Rechargeable battery

*Additional models are available with the approvals shown below. Please consult the factory for part numbers.*



## Specifications

	TP-220 <sup>^</sup>	TP-420NT <sup>^</sup>	TP-820	TP-1200NT	TP-3200	TP-4200NT	TP-6200NT	TP-8200	TP-12K
Part #	107244	108155	107245	163604	107246	108154	163606	107247	107248
Price	Consult	Consult	Consult	Consult	Consult	Consult	Consult	Consult	Consult
Capacity	220 g	420 g	820 g	1.200 g	3.200 g	4.200 g	6.200 g	8.200 g	12.000 g
Resolution	0,001 g	0,001 g	0,01 g	0,01 g	0,01 g	0,01 g	0,01 g	0,1 g	0,1 g
Operating Modes	Counting, Percentage, Limit Function (checkweighing)								
Repeatability	1 division								
Linearity	1 division								
Operating Temperature	5° C to 35° C								
Pan Size	116,8mm		167,6 x 139,7 mm			177,8 x 157,5 mm			
Dimensions	235 x 182 x 170 mm (including windshield)		235 x 182 x 75 mm			265 x 192 x 87 mm			
RS-232 Specifications	Baud rate - 1200/2400/2800/9600; Data bits - 8, Connector - DIN 5-Pin								
Est. Ship Weight	1,3kg				2,8kg				
Calibration Weight	200 g	400 g	800 g	1.000 g	3.000 g	4.000 g	6.000 g	8.000 g	12.000 g
Power	120VAC adapter								
Battery Option	Nickel Cadmium battery, 12-hour run time, 24-hour charge time								
Warranty	Five-year Limited Warranty								
Return Policy	Rice Lake Standard Policy								

**Specifications (cont)**

	TP-220 <sup>^</sup>	TP-420NT <sup>^</sup>	TP-820	TP-1200NT	TP-3200	TP-4200NT	TP-6200NT	TP-8200	TP-12K	
<b>Part#</b>	107244	-	107245		107246	-		107247	107248	
<b>UNIT OF MEASURE</b>	Decimal Ounce	7.7 x 0,00005 oz	14 x 0,001 oz	28 x 0,0005 oz	42 x 0,0005 oz	110 x 0,0005 oz	140 x 0,01 oz	210 x 0,001 oz	280 x 0,005 oz	420 x 0,005 oz
	Decimal Pound	0.48 x 0,00001 lb	0.92 x 0,00001 lb	1.8 x 0,00005 lb	2.6 x 0,00005 lb	7.0 x 0,00005 lb	9.2 x 0,0001 lb	13 x 0,0001 lb	18 x 0,0005 lb	26 x 0,0005 lb
	Troy Ounce	7 x 0,00005 ozt	16 x 0,0001 ozt	26 x 0,0005 ozt	38 x 0,0005 ozt	100 x 0,0005 ozt	130 x 0,001 ozt	190 x 0,001 ozt	260 x 0,005 ozt	380 x 0,005 ozt
	Pennyweight	140 x 0,001 dwt		520 x 0,01 dwt	770 x 0,01 dwt	2.000 x 0,01 dwt	2.700 x 0,01 dwt	3.900 x 0,01 dwt	5.200 x 0,1 dwt	7.700 x 0,1 dwt
	Carat	1.100 x 0,01 ct	2.100 x 0,01 ct	4.100 x 0,05 ct	6.000 x 0,05 ct	160.000 x 0,05 ct	21.000 x 0,1 ct	31.000 x 0,1 ct	41.000 x 0,5 ct	60.000 x 0,5 ct
	Momme	58 x 0,0005 mom		210 x 0,005 mom	320 x 0,005 mom	850 x 0,01 mom	1.100 mom	1.600 x 0,01 mom	2.100 x 0,05 mom	3.200 x 0,05 mom
	Grain Unit	3.300 x 0,02 GN	6.400 x 0,02 GN	12.000 x 0,2 GN	1.200 x 0,01 GN	48.000 x 0,2 GN	64.000 x 0,2 GN	95.000 x 0,2 GN	120.000 x 2 GN	180.000 x 2 GN
	Tael	5.8 x 0,00005 TL		21 x 0,0005 TL		85 x 0,001 TL			210 x 0,005 TL	320 x 0,005 TL
	Tola	18 x 0,0001 to		70 x 0,001 to	100 x 0,001 to	270 x 0,001 to		530 x 0,001 to	700 x 0,01 to	1.000 x 0,01 to
	Measurable Unit Weight in Counting Mode	0,03 g	0,03 g	0,03 g	0,01 g	0,3 g	0,3 g	0,3 g	3 g	3 g

<sup>^</sup>Weighing Chamber

**Part Number/Price**

Part#	Model#	Description	Price
107244	TP-220	220 g x 0,001 g	Consult
108155	TP-420NT	420 g x 0,001 g	Consult
107245	TP-820	820 g x 0,01 g	Consult
163604	TP-1200NT	1.200 g x 0,1 g	Consult
107246	TP-3200	3.200 g x 0,01 g	Consult
108154	TP-4200NT	4.200 g x 0,01 g	Consult
163606	TP-6200NT	6.200 g x 0,1 g	Consult
107247	TP-8200	8.200 g x 0,1 g	Consult
107248	TP-12K	12.000 g x 0,1 g	Consult

**Options/Accessories**

Part#	Description	Price
107249	Rechargeable battery	Consult
107237	Rechargeable battery	Consult
107250	In-use dust cover ≥ TP-3200	Consult
107240	In-use dust cover ≤ TP-1200	Consult
109236	Underweigh hook ≤ TP-1200	Consult
109292	Underweigh hook ≥ TP-3200	Consult
42566	115VAC adapter	Consult
42168	230VAC adapter	Consult
107251	Additional operating manual	Consult
75351	WinWedge Tal software	Consult
115303	Five-pin to nine-pin DB female RS-232 cable	Consult