

Balances

Moisture Balance

UTW-0610

The UTW-0610 Moisture Balance is used to determine the moisture content of relatively small samples of various substances.

Electronic Analytical Balances

The UTW Series of Electronic Analytical Balances set the standard in terms of reliable measurements, user-friendly operation and long service life. The series includes a variety of capacities from 200g to 510g, with high sensitivities of up to 0.01 mg readability, making these balances ideal for weighing small sample amounts. The balances can be used for routine tasks and/or complicated weighing procedures. Majority of the models in the series require external calibration, however the UTW-0620 and UTW-0622 models include an automatic internal calibration feature. The Analytical Balances have been designed to allow fast and simple installation and are easily cleaned. They can also be connected to printers or PC's through RS 232 outputs to give excellent monitoring and reporting performance.



UTW-0610 Features

- Easy operation provided by back lit LCD display
- Drying profile (standard, mild, step, rapid)
- Finish mode (manual, humidity stabilization, automatic, time defined)
- GLP/GMP printouts and reports
- Halogen lamp
- Standard and non-standard applications
- Optimization of work ensured by halogen lamps mode



Digital Balances

The UTW Series of Digital Balances are perfect for central and site laboratories who require a range of balances for various applications. The maximum capacity of the balances varies greatly in the series and the readability characteristics make them simple to use. The balances are equipped with strain gauge loads cells.



Digital Balances Features

- Large, back lit LCD display that allows for accurate measurements within the 0°C to 40°C temperature range
- Internal automatic calibration feature
- Can be connected to printers or PC's through RS 232 outputs
- Supplied with 220-240 V, 50-60 Hz AC/DC adapters.

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Digital Platform Scales

The UTW Digital Platform Scale series is economical and allows for quick and simple weighing. The scales have a weighing facility of up to 150kg maximum capacity, with different readability values. These balances have been manufactured to carry out accurate measurements under extremely heavy conditions.



Specific Gravity Frame

UTW-1000

The UTW-1000 Specific Gravity Frame has been designed to be used in conjunction with a suitable electronic balance for specific gravity determination of fresh and hardened concrete and aggregates. The apparatus consists of a sturdy frame designed to support the electronic balance. The lower part of the frame includes a moving platform, which carries the water tank. This allows the test specimens to be weighed in both air and water. Any type of electronic balance fitted with under-bench weighing facility can be used. Balance, Cradle and Density Basket should be ordered separately.

The Specific Gravity Frame is supplied complete with;

- A water tank



Technical Specifications

	UTW-0700	UTW-0705	UTW-0708
Capacity (kg)	150	150 kg	150 kg
Readability (g)	5	10	50
Platform Size (mm)	600x700	500x600	780x1200
Dimensions (mm)	550x650x400	550x650x400	550x650x400
Weight (kg)(approx.)	30	30	30
Additional Power Supply	Yes	Yes	Yes

UTW-1000

Dimensions	600x500x1100 mm
Weight (approx.)	25 kg

About PCTE

PCTE have over 30 years' experience in the measurement and testing of construction materials. PCTE can provide more than just the equipment, they can provide expert training. PCTE have a service centre in Sydney in which they can provide calibration, repairs and warranty repairs.

Other Equipment

PCTE supply three main ranges: NDT, Lab and Geotech Instrumentation.

NDT includes: Rebound Hammers, Covermeters, Ultrasonics, GPR, Corrosion Testing, Coating Testing and Foundation Testing

Lab includes equipment for: Concrete, Cement, Aggregate, Soil, Asphalt and Metal

Geotech Instrumentation includes: Strain Gauges, Piezometers, Inclometers, Extensometers, Tiltmeters, Load Cells and Dataloggers

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Technical Specifications

Moisture Balance	
Capacity	50 g
Pan Size	Ø 90 mm
Readability	1 mg
Maximum Sample Mass	50 g
Moisture Reading Accuracy	0.001 %
Repeatability	± 0.24% (sample < 2 g), ± 0.06% (sample 2-10 g), ± 0.04% (sample > 10 g)
Maximum Drying Temp.	160°C
Drying Modes	4 Modes: Standard / Quick / Step / Mild
Power of Heater	400 W
Power Supply	110-240 V 50-60 Hz AC
Display	LCD (back lit)
Dimensions	210x335x190 mm
Weight (approx.)	5 kg

Electronic Analytical Balances

	Capacity	Readability	Pan Size (mm)	Power Supply	Under-Bench Weighing Facility	Dimensions (mm)	Weight
UTW-0620	60-220 g	0.01-0.1 mg	Ø 70	AC Adapter	Yes	210x335x335	6 kg
UTW-0622	220 g	0.1 mg	Ø 85	AC Adapter	Yes	300x400x400	6 kg
UTW-0625	200 g	1 mg	Ø 115	Rechargeable Battery	No	175x245x800	1.5 kg
UTW-0628	360 g	1 mg	128x128	AC Adapter	Yes	210x335x160	3.5 kg
UTS-0630	510 g	1 mg	128x128	AC Adapter	Yes	210x335x160	3.5 kg
UTS-0631	750 g	1 mg	128x128	AC Adapter	Yes	215x359x169	4 kg
UTW-0632	1000 g	1 mg	128x128	AC Adapter	Yes	230x380x160	4.5 kg

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Technical Specifications (cont.)

Digital Balances							
	Capacity	Readability	Pan Size (mm)	Additional Power Supply	Under-Bench Weighing Facility	Dimensions (mm)	Weight
UTW-0633	600 g	0.01 g	Ø 116	AC Battery	No	250x350x400	1.5 kg
UTW-0635	6 kg	0.1 g	300x230	Rechargeable Batt.	Yes	300x400x400	4.5 kg
UTW-0637	30 kg	5 g	300x230	Rechargeable Batt.	Yes	300x400x400	4.5 kg
UTW-0638	30 kg	0.5 g	300x230	Rechargeable Batt.	Yes	300x400x400	4.5 kg
UTW-0640	3000 g	0.01 g	125x145	Rechargeable Batt.	Yes	250x350x400	3.5 kg
UTW-0642	3500 g	0.01 g	300x230	Electrical	Yes	250x350x400	3.5 kg
UTW-0643	4500 g	0.01 g	195x195	Electrical	Yes	250x350x400	4 kg
UTW-0644	6000 g	0.01 g	195x195 mm	Electrical	Yes	250x350x400	4 kg
UTW-0645	15 kg	0.2 g	300x230	Rechargeable Batt.	Yes	300x400x400	4.5 kg
UTW-0648	30 kg	0.1 g	310x220	Rechargeable Batt.	Yes	300x400x400	5.5 kg