EXCELERON Series

Multi-functional Industry Scales

ACCULAB
sartorius group

Acculab is pleased to introduce the EXCELERON Series of affordable Heavy Duty scales. Comprised of six (6) new models and three (3) platform sizes each scale provides 15,000 step external resolution and range from 6kg to 300 kg capacity. The EXCELERON series is hard to match in performance, quality and price.

The EXCELERON is ideal for incoming/outgoing goods inspection, inventory management, QC, formulation, general weighing, packaging and more.

Features and Highlights:

- Heavy Duty design with maximum overload protection
- Internal frame construction in mild steel/powder coated
- Spirit level indicator
- Large adjustable rubber feet for excellent stability
- ABS Industrial Indicator (adjustable/ wall mounting option)
- Stainless Steel tubular column (included)
- Large 1 inch (25 mm) LCD segments with amber back-lit display for excellent visibility in all ambient conditions
- Very fast and reliable results saves time and money
- Four (4) digital filter settings for optimal performance
- Stainless Steel Pan
- Net/Tare/Gross Functionality
- Large function keys with "positive-click-action" response
- Automatic counting optimization ensures accurate results
- Optional bi-directional RS-232 interface kit
- Battery operation
- External Calibration & Linearization

Applications include:

- Counting (ref. samples 5, 10, 20, 50, 100)
- Checkweighing with numerical input (HI / LO)
- Unit toggling (Kilograms, Pounds, Ounces, & Grams)

Accessories:

- YDO01i-232-25 (DB 25 interface kit with 6 foot cable)
- YDO01i-232-9 (DB 9 interface kit with 6 foot cable)
- YDH01i (Wall mount bracket)
- YDC07 (In use cover)
- M12 Castor wheels (call Acculab for more information)
- Rechargeable battery pack (call Acculab for more information)
- Floor Stand (call Acculab for more information)

Large back-lit amber display

Finished goods inspection

General Weighing

Acculab 5 Orville Drive, Bohemia, NY 11716 800-656-4400 www.acculab.com

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Detailed Specifications (6kg to 60kg)					Detailed Specifications (150kg & 300kg)	
Model	**ECD6EDP-LO-US**	**ECL15EDP-LO-US**	**ECL30EDP-LO-US**	**ECL60EDP-LO-US**	**ECL150FEP-LO-US**	**ECL300GFP-LO-US**
Weighing capacity	6kg/13lbs	15kg/33lbs	30kg/66lbs	60kg/132lbs	150kg / 330lbs	300kg / 660lbs
Readability	0.5g/0.001lbs	1g/0.002lbs	2g/0.005lbs	5g/0.01lbs	10.0g / 0.02lbs	20.0g / 0.05lbs
Maximum Displayed Resolution	1:15000	1:15000	1:15000	1:15000	1:15000	1:15000
Tare range (subtractive)	6kg/13lbs	15kg/33lbs	30kg/66lbs	60kg/132lbs	150kg / 330lbs	300kg / 660lbs
Reapeatabilty (std. deviation)	+/- 1.0g/0.002lbs	+/- 2.0g/0.004lbs	+/- 4.0g/0.01lbs	+/- 10g/0.02lbs	+/- 20.0 g/0.05 lbs	+/- 40.0 g/0.1 lbs
Linearity	+/- 1.0g/0.002lbs	+/- 2.0g/0.004lbs	+/- 4.0g/0.01lbs	+/- 10g/0.02lbs	+/- 20.0 g/0.05 lbs	+/- 40.0 g/0.1 lbs
Corner Load	+/- 4 digits at half capacity from center	+/- 4 digits at half capacity from center	+/- 4 digits at half capacity from center	+/- 4 digits at half capacity from center	+/- 4 digits at half capacity from center	+/- 4 digits at half capacity from center
Scale/Display protection	Base IP65 / Display IP44				Base IP65 / Display IP44	
External Calibration weight	2kg	5kg	10kg	20kg	50 kg	100 kg
Base Frame construction	Mild Steel / Painted	Mild Steel / Painted	Mild Steel / Painted	Mild Steel / Painted	Mild Steel / Painted	Mild Steel / Painted
Leveling Component	External level bubble with adjustable leveling feet and locking nuts				External level bubble with adjustable leveling feet and locking nuts	
Weighing Units	Grams, Kilograms, Pounds and Ounces				Grams, Kilograms, Pounds and Ounces	
Functions	Weighing, Unit toggling, Counting, Check Weighing				Weighing, Unit toggle, Counting, Check Weighing	
Display Type	LCD, 6 Digits, Character Height: 1 inch (25mm), 7 Segment with backlight (Amber)				LCD, 6 Digits, Character Height: 1 inch (25mm), 7 Segment with backlight (Amber)	
Audio Tone	No	No	No	No	No	No
Safe overload capacity	150% of rated capacity				150% of rated capacity	
Overload Indication	Displays "OL"	Displays "OL"	Displays "OL"	Displays "OL"	Displays "OL"	Displays "OL"
Underload indication	Displays "UL"	Displays "UL"	Displays "UL"	Displays "UL"	Displays "UL"	Displays "UL"
Stabilization Time (typical)	< 2 seconds	< 2 seconds	< 2 seconds	< 2 seconds	< 2 seconds	< 2 seconds
Adaptation to ambient conditions	By selection of 1 of 4 optimized filter levels				By selection of 1 of 4 optimized filter levels	
Display Update (depends on the filter setting selected)	Display update 0.1 - 0.4 (depends on filter level selected)				Display update 0.1 - 0.4 (depends on filter level selected)	
Pan Dimensions (inches)	15.75 in. X 11.8 in.	15.75 in. X 11.8 in.	15.75 in. X 11.8 in.	15.75 in. X 11.8 in.	19.7 in. X 15.75 in.	25.6 in. X 19.7 in.
Pan Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Base Dimensions (W x D x H)	15.75" x 11.8" x 5"	15.75" x 11.8" x 5"	15.75" x 11.8" x 5"	15.75" x 11.8" x 5"	19.7" x 15.7" x 5.2"	25.6" x 19.7" x 6.2"
Column Height (inches)	19.7 inches (Stainless Steel Tube)				29.5 inches (Stainless Steel tube)	
Interface	RS-232 Optional	RS-232 Optional	RS-232 Optional	RS-232 Optional	RS232 Optional	RS-232 Optional
AC Power Requirements	100-240V AC (50/60 Hz) internal switching power supply				100-240V AC (50/60 Hz) internal switching power supply	
DC Power Operation	Optional using 6 "D" size 1.5V dry battery				Optional using 6 "D" size 1.5V dry battery	
Power Consumption	approx. 4VA	approx. 4VA	approx. 4VA	approx. 4VA	approx. 4 VA	approx. 4VA
Optional Accessories	RS232, Data Printer, Data Cable, In-use display cover, Wall mount bracket, Floor Stand, M12 wheels/casters				RS232, Data Printer, Data Cable	
Operating Humidity	Less than 85% RH no condensation				Less than 85% RH no condensation	
Operating Temperature range	('-10º... +40º C) , (14º...104º F)	('-10º... +40º C) , (14º...104º F)	('-10º... +40º C) , (14º...104º F)	('-10º... +40º C) , (14º...104º F)	('-10º... +40º C) , (14º...104º F)	('-10º... +40º C) , (14º...104º F)
Net weight, approx.	27lbs / 13kg	27lbs / 13kg	27lbs / 13kg	27lbs / 13kg	48lbs / 22kg	84lbs / 38kg
Shipping Weight	33lbs / 15kg	33lbs / 15kg	33lbs / 15kg	33lbs / 15kg	55lbs / 25kg	90 lbs / 41kg
Shipping Demensions	24" x 15.75" x 16.5" inches (610 x 400 x 420 mm)				30.7" x 19.7" x 16.5"	34.25" x 22.8" x 18.5"
Warranty	2 Year Manufacture Warranty				2 Year Manufacture Warranty	

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