Dolphin Series
Checkweighers

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A&D MERCURY PTY. LTD.

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AUSTRALIAN MADE

ADM 4404-LC Series of Dolphin Checkweighers

The ADM 4404 LC light capacity series of Dolphin checkweighers are manufactured from stainless steel to suit the requirements of HACCP, they are suitable for chemical, pharmaceutical and food industries. The checkweighers can be configured to suit a wide range of products for medium speed packaging lines, with a weighing range of up to 2000 grams.

4404-LC Features:

Light capacities up to 2000 grams
Maximum speed 100p/m
Compact stainless steel design
Easy cleaning and maintenance
Designed to meet HACCP requirements
Weight classification of 5 zones and alarm
Customisable operator display
Designed and manufactured in Australia
Standard version - 10 Products
Intelligent version - 100 Products
Standard RS485 ASCII serial I/O
Standard Current Loop Serial Output

Customised sizes and speeds on application

Simplified Maintenance

The open tubular frame minimises surface areas for dust and debris to accumulate. The 'non tool' quick conveyor release mechanism allows for simple ease of access for maintenance.

Electrical Options

Fieldbus - DeviceNet, Profibus, Modbus and Ethernet
Analog - 4-20mA and 0-10VDC
Metal detection Interface

Mechanical Options

Reject Mechanism - Flipper, Air Blast, Drop Conveyor
Conveyor Product Guides
Breeze (wind) break
Transfer Plate
Combination Checkweigher/Metal Detector

Trade Approval Pending.

Images for illustrations only.

Models	4404LC-200	4404LC-500	4404LC-1000	4404LC-1500	4404LC-2000
Capacity	200g	500g	1000g	1500g	2000g
Accuracy	±0.1g	±0.2g	±0.2g	±0.5g	±0.5g
Max. Speed	1m/s	1m/s	1m/s	1m/s	1m/s
Belt Length (mm)	200, 300	200, 300	300, 400	300, 400	300, 400
Belt Width (mm)	150	150, 200	200, 300	200, 300	200, 300
Width (mm)	750	750, 800	800, 900	800, 900	800, 900
Height (mm)	900 +/- 50	900 +/- 50	900 +/- 50	900 +/- 50	900 +/- 50
Gross Weight	Approx. 110Kg	Approx. 110Kg	Approx. 112Kg	Approx. 112Kg	Approx. 112Kg
Environment	-5 to +40º relative humidity less than 85% RH, non condensing (Variation not to exceed 5º C/h)				
Protection	IP65 Compliance - Dust and Low pressure jets of water from all directions				
Manufacture	Stainless Steel (SUS304)				

The speed and accuracy may change depending on the checked product type and reject mechanism.

ADM 4404-HC Series of Dolphin Checkweighers

The ADM 4404-HC high capacity series of Dolphin checkweighers are manufactured from stainless steel to suit the requirements of HACCP, they are suitable for chemical, pharmaceutical and food industries. The checkweighers can be configured to suit a wide range of products for medium speed packaging lines, with a weighing range of up to 30 kilograms.

4404-HC Features:

High capacities up to 30.000 Kilograms
Maximum speed 30p/m
Compact stainless steel design
Easy cleaning and maintenance
Designed to meet HACCP requirements
Weight classification of 5 zones and alarm
Customisable operator display
Designed and manufactured in Australia
Standard version - 10 Products
Intelligent version - 100 Products
Standard RS485 ASCII serial I/O
Standard Current Loop Serial Output

* Customised sizes and speeds on application

Simplified Maintenance

The open tubular frame minimises surface areas for dust and debris to accumulate. The quick removal of conveyors allows for simple ease of access for maintenance.

Electrical Options

Fieldbus - DeviceNet, Profibus, Modbus and Ethernet
Analog - 4-20mA and 0-10VDC
Metal detection Interface

Mechanical Options

Reject Mechanism - Flipper, Air Blast, Drop Conveyor
Conveyor Product Guides
Breeze (wind) break
Transfer Plate
Combination Checkweigher/Metal Detector

Trade Approval Pending.

Images for illustrations only.

Models	4404HC-10	4404HC-20	4404HC-30
Capacity	10.000Kg	20.000Kg	30.000Kg
Accuracy	±0.004Kg	±0.010Kg	±0.010Kg
Max. Speed	0.5m/s	0.5m/s	0.5m/s
Belt Length (mm)	500, 1000	500, 1000	500, 1000
Belt Width (mm)	300, 500	300, 500	300, 500
Width (mm)	1010	1010	1010
Height (mm)	900 +/- 50	900 +/- 50	900 +/- 50
Gross Weight	Approx. 210Kg	Approx. 210Kg	Approx. 210Kg
Environment	-5 to +40º relative humidity less than 85% RH, non condensing (Variation not to exceed 5º C/h)		
Protection	IP65 Compliance - Dust and Low pressure jets of water from all directions		
Manufacture	Stainless Steel (SUS304)		

* The speed and accuracy may change depending on the checked product type and reject mechanism.

ADM 4820-LC Series of Dolphin Checkweighers

The ADM 4820-LC light capacity series of Dolphin checkweighers are manufactured from stainless steel to suit the requirements of HACCP, they are suitable for chemical, pharmaceutical and food industries. The checkweighers can be configured to suit a wide range of products for high speed packaging lines, with a weighing range of up to 3000 grams, custom capacities are available on request.

4820-LC Features:

Light capacities up to 3000 grams
Maximum speed 250p/m
Touch Colour STN IP65 Waterproof screen
Advanced remote Ethernet data management
Customisable Multi-Lane Checkweighing
Compact stainless steel design
Easy cleaning and maintenance
Designed to meet HACCP requirements
Weight classification of 7 zones and alarm
Designed and manufactured in Australia
Standard version - 100 Products
Intelligent version - 200 Products

Customised sizes and speeds on application

Simplified Maintenance

The open tubular frame minimises surface areas for dust and debris to accumulate. The 'non tool' quick conveyor release mechanism allows for simple ease of access for maintenance.

Electrical Options

Fieldbus - DeviceNet, Profibus, Modbus and Ethernet
Analog - 4-20mA and 0-10VDC
Metal detection Interface
Temperature data recording & indication to suit HACCP

Mechanical Options

Reject Mechanism - Flipper, Air Blast, Drop Conveyor
Conveyor Product Guides
Breeze (wind) break
Transfer Plate
Combination Checkweigher/Metal Detector

Simplified Operation

The operation has been simplified by the use of 'one-touch' easy to read operator screens and keypads.

Models	4820LC-200	4820LC-500	4820LC-1000	4820LC-1500	4820LC-3000
Capacity	200g	500g	1000g	1500g	2000g
Accuracy	±0.05g	±0.1g	±0.1g	±0.2g	±0.2g
Max. Speed	2m/s	2m/s	2m/s	2m/s	2m/s
Belt Length (mm)	200, 300	200, 300	300, 400	300, 400	300, 400
Belt Width (mm)	150	150, 200	200, 300	200, 300	200, 300
Width (mm)	750	750, 800	800, 900	800, 900	800, 900
Height (mm)	900 +/- 50	900 +/- 50	900 +/- 50	900 +/- 50	900 +/- 50
Gross Weight	Approx. 110Kg	Approx. 110Kg	Approx. 112Kg	Approx. 112Kg	Approx. 112Kg
Environment	-5 to +40º relative humidity less than 85% RH, non condensing (Variation not to exceed 5º C/h)				
Protection	IP65 Compliance - Dust and Low pressure jets of water from all directions				
Manufacture	Stainless Steel (SUS304)				

The speed and accuracy may change depending on the checked product type and reject mechanism.

ADM 4820-HC Series of Dolphin Checkweighers

The ADM 4820-HC high capacity series of Dolphin checkweighers are manufactured from stainless steel to suit the requirements of HACCP, they are suitable for chemical, pharmaceutical and food industries. The checkweighers can be configured to suit a wide range of products for high speed packaging lines, with a weighing range of up to 100 kilograms.

4820-HC Features:

High capacities up to 100 Kilograms
Maximum speed 60p/m
Touch Colour STN IP65 Waterproof screen
Advanced remote Ethernet data management
Customisable Multi-Lane Checkweighing
Compact stainless steel design
Easy cleaning and maintenance
Designed to meet HACCP requirements
Weight classification of 7 zones and alarm
Designed and manufactured in Australia
Standard version - 100 Products
Intelligent version - 200 Products

* Customised sizes and speeds on application

Simplified Maintenance

The open tubular frame minimises surface areas for dust and debris to accumulate. The 'non tool' quick removal of conveyors allows for simple ease of access for maintenance.
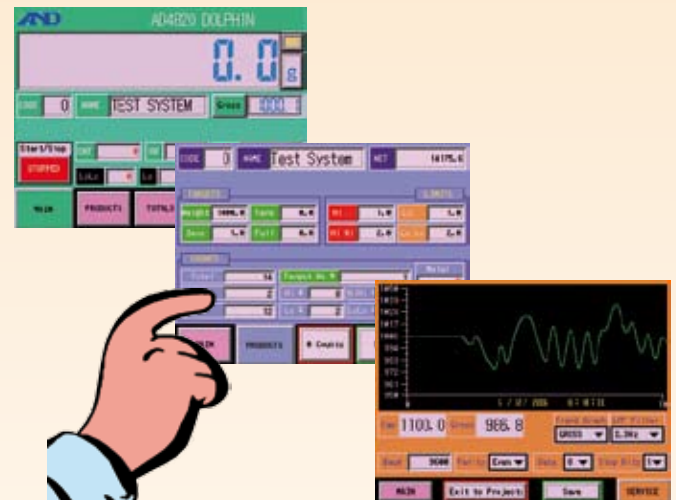
Electrical Options

Fieldbus - DeviceNet, Profibus, Modbus & Ethernet
Analog - 4-20mA and 0-10VDC
Metal detection Interface
Temperature data recording & indication to suit HACCP

Mechanical Options

Reject Mechanism - Flipper, Air Blast, Drop Conveyor
Conveyor Product Guides
Breeze (wind) break
Transfer Plate
Combination Checkweigher/Metal Detector

Simplified Operation

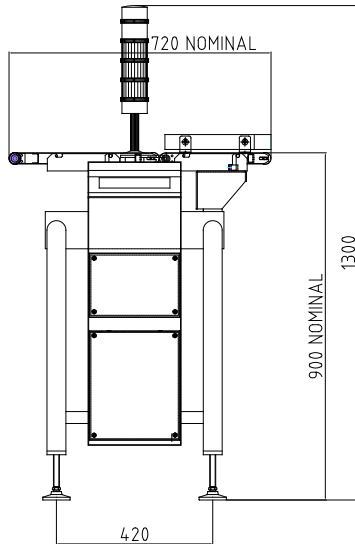The operation has been simplified by the use of 'one-touch' easy to read operator screens and keypads.

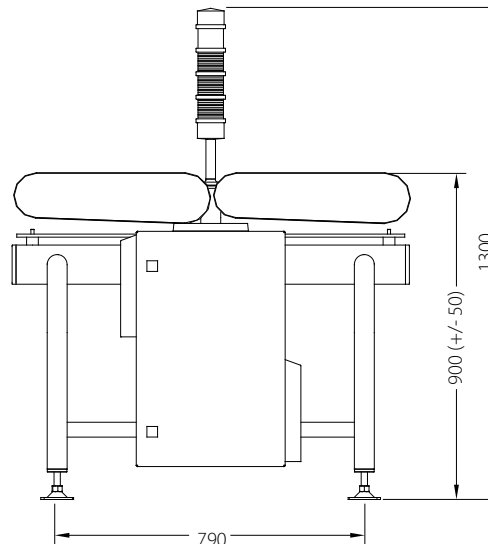| Models	4820HC-10	4820HC-20	4820HC-30	4820HC-60	4820HC-100
Capacity	10.000Kg	20.000Kg	30.000Kg	60.000Kg	100.000Kg
Accuracy	±0.002Kg	±0.004Kg	±0.010Kg	±0.020Kg	±0.020Kg
Max. Speed	1m/s	1m/s	1m/s	1m/s	1m/s
Belt Length (mm)	500, 1000	500, 1000	500, 1000	500, 1000	500, 1000
Belt Width (mm)	300, 500	300, 500	300, 500	300, 500	300, 500
Width (mm)	1000	1000	1000	1200	1200
Height (mm)	900 +/- 50	900 +/- 50	900 +/- 50	900 +/- 50	900 +/- 50
Gross Weight	Approx. 210Kg	Approx. 210Kg	Approx. 210Kg	Approx. 210Kg	Approx. 210Kg
Environment	-5 to +40º relative humidity less than 85% RH, non condensing (Variation not to exceed 5º C/h)				
Protection	IP65 Compliance - Dust and Low pressure jets of water from all directions				
Manufacture	Stainless Steel (SUS304)				

* The speed and accuracy may change depending on the checked product type and reject mechanism.

General Dimensions

4404 & 4820 - Light Capacity

720 NOMINAL

1300

900 NOMINAL

420

4404 & 4820 - Heavy Capacity

1300

900 (+/- 50)

790

Options

ADM Dolphin Rejection Methods

a. Flipper pneumatic reject

b. Air blast pneumatic reject

c. Drop pneumatic conveyor reject

d. Custom designs on application

ADM Metal Detection

Metron AMD 05A slim line touch

Reject interface to checkweigher

Stainless steel detector

Conveyor widths 500mm

Aperture height up to 400mm

ADM Multi-Weigher Data Capture Software

Stop and start checkweighers remotley and capture live weight data from 5 checkweighers and 255 weighing scales

ADM Production Data Display

High visibilty 16 x 80 Red dot LED display

"Real-time" production data displayed

Checked products, product status and grand total accumulated gross weight

Images for illustration purposes only.