Minebea Intec Midrics® 1 and 2 Series
Digital Weight Indicator

Specifications

Load Cell Connection:
Excitation voltage 8.4 V
4 or 6 conductor

Power Requirements:
100 - 240 VAC (-15/10) 50-60 Hz, Max 17 W/23 VA

Power Cord:
3 m

Housing:
304 stainless steel enclosure, IP65

Dimensions:
(W x D x H): 9 1/3 x 6 1/2 x 3 3/4 in (238 x 165 x 94 mm)

Operating Temperature:
14° F to 104° F (-10° C to 40° C)

Net Weight:
5 lb (2.3 kg)

Warranty:
Two-year limited warranty

Approvals:
NTEP Class III

Standard Features

- Backlit 14-segment, 20 millimeter LCD display
- 304 stainless steel enclosure, IP65 rated
- Wall-mount bracket
- Time and date
- RS-232

Midrics 2 Additional Features

- Numerical keyboard

Applications:
- Weighing
- Counting
- Checkweighing
- Sorting (3 or 5 classes)
- Totalizing
- Net-total
- Animal weighing
- Weighing in percent
- Neutral measurement

Options

- RS-232
- 4-20 mA

Part Number/Price

RLWS PN	Minebea PN	Description	Price
155855	MIS1UR-V1	Midrics 1, wall bracket	$615.00
155857	MIS1U-L9	Midrics 1, wall bracket, internal battery pack	$1,073.00
155856	MIS2UR-V2	Midrics 2, wall bracket	$695.00
155859	MIS2U-L9	Midrics 2, wall bracket, internal battery pack	$1,190.00

Options/Accessories

RLWS PN	Minebea PN	Description	Price
103044	YDA01M-20MA	Analog current output, 0-20 mA, 4-20 mA, 0-10 V (16-bit)	$443.00
155805	YCC01-USBM2	Connecting cable from RS-232 to USB connector, 2 m	$254.00
155806	YCC02-D25F6	Connecting cable for accessories 25-Pin D-SUB female	$254.00
Consult	YAS03-M1	Panel mount option	Consult

Minebea Intec Combics 1

Digital Weight Indicators

Application Note:

Combics 1 indicator is designed for use with both Combics and IF series platforms. However, various accessories may differ and are application dependent.

Standard Features

- IP protection rating, IP44, IP69K
- Amber backlit LCD display, .8 in
- External calibration routine
- RS-232C
- On/Off, Zero, Tare, Print/Data Key
- Function keys for: Gross/net toggle; three-way unit toggle; 10X higher resolution toggle
- Automatic tare feature
- One scale connection

Specifications

Load Cell Connection:
4 or 6 wire

Excitation Voltage:
9V

Power Requirements:
120-240 VAC, 17 W/23 VA maximum

Housing:
AISI 304 stainless steel

Dimensions:
(W x D x H): 11.9 x 7.4 x 3.5 in

Operating Temperature:
14° F to 104° F (-10° C to 40° C)

Net Weight:
5 lb

Warranty:
Two-year limited warranty
Accessories: One-year limited warranty

Part Number/Price

RLWS PN	Minebea PN	Description	Est. Weight	Price
102396	CAISL1-U	IP44 protection rated	7.5 lb	$1,074.00
102398	CAIS1-U	IP69K protection rated	7.5 lb	$1,409.00
115668	CAISL1-UV1	IP44, IS base controller	7.5 lb	$1,562.00
115671	CAIS1-UV1	IP69K, IS base controller	7.5 lb	$1,714.00

Options/Accessories

RLWS PN	Minebea PN	Description	Price
105607	YDH02CISUS	Wall mount bracket	$75.00
171727	YDH12CWSUS	Bench mount bracket	$75.00
156440	YDH01CWSUS	Post mount assembly for 10 x 10 in platforms, 13 in high	$190.00
156441	YDH02CWSUS	Post mount assembly for 12 x 12 in platforms, 19 in high	$205.00
156442	YDH03CWSUS	Post mount assembly for 18 x 18 in platforms, 29 in high	$235.00
103049	YAS02CI	24 V industrial power supply	$249.00
162640	YD002C-ETH	Ethernet TCP/IP	$770.00
155826	YD002C-AO	Analog output, 0-20 mA, 4-20 mA, 0-10 V	$770.00
Cables			
155804	YCC05-001M2	RS-232 9/25-Pin D-Sub female, 1.5 m, IP44	$92.00
155805	YCC01-USBM2	RS-232 to USB connector, 2 m IP44	$254.00
155806	YCC02-D25F6	RS-232 open to 25 D-Sub female	$254.00

Specifications

Load Cell Connection:
4 or 6 wire

Excitation Voltage:
9 V

Power Requirements:
120-240 VAC, 17 W / 23 VA maximum

Housing:
AISI 304 stainless steel

Dimensions:
(W x D x H): 11.9 x 7.4 x 3.5 in

Operating Temperature:
14° F to 104° F (-10° C to 40° C)

Net Weight:
5 lb

Warranty:
Two-year limited warranty on indicator
Accessories: One-year limited warranty

Application Note:

Combics 2 and Combics 3 indicators are designed for use with both Combics and IF series platforms. However, various accessories may differ and are application dependent.

Applications Software Pre-installed:

Counting, checkweighing, differential weighing, percentage weighing, gross-net-tare, sorting, net-total, animal weighing, averaging, totalizing

Standard Features

- Choice of IP protection rating (IP44, IP69K)
- Amber backlit LCD display, .8 in, 13 segment
- External calibration routine
- RS-232C
- On/Off, Zero, Tare, Print/Data Keys
- Function keys for: Gross/net toggle; three-way unit toggle; 10X higher resolution toggle
- Numeric keypad with two IDs for entering identifier codes and preset tare
- Info key for quick and easy display of tare input and ID codes
- Date/time fully integrated
- GMP compliant printable record
- NICE Label Express FlexiPrint compatible
- Platform toggling and four function keys
- Three built-in LED checkweighing lights
- Bar graph weighing range indicator
- Application data and totalization memory stored in battery-backed RAM
- Optional barcode scanner for preset tare, reference weight and ID entry
- Stored customer specific data records
- Optional two scale connections, analog or digital

Part Number/Price

RLWS PN	Minebea PN	Description	Est. Weight	Price
102402	CAISL2-U	IP44 protection rated	7.5 lb	$1,336.00
102404	CAIS2-U	IP69K protection rated	7.5 lb	$1,679.00
115670	CAISL2-UV1	IP44, IS base controller	7.5 lb	$1,818.00
115673	CAIS2-UV1	IP69K, IS base controller	7.5 lb	$2,071.00

Options/Accessories

RLWS PN	Minebea PN	Description	Price
105607	YDH02CISUS	Wall mount bracket	$75.00
171727	YDH12CWSUS	Bench mount bracket	$75.00
156440	YDH01CWSUS	Post mount assembly for 10 x 10 in platforms, 13 in high	$190.00
156441	YDH02CWSUS	Post mount assembly for 12 x 12 in platforms, 19 in high	$205.00
156442	YDH03CWSUS	Post mount assembly for 18 x 18 in platforms, 29 in high	$235.00
103049	YAS02C1	24 V industrial power supply	$249.00
162640	YDO02C-ETH	Ethernet TCP/IP	$770.00
155826	YDO02C-A0	Analog output, 0-20 mA, 4-20 mA, 0-10 V	$770.00
Cables			
155804	YCC05-001M2	RS-232 9/25-Pin D-Sub female, 1.5 m, IP44	$92.00
155805	YCC01-USBM2	RS-232 to USB connector, 2 m IP44	$254.00
155806	YCC02-D25F6	RS-232 open to 25 D-Sub female	$254.00

Minebea Intec Combics 3
Digital Weight Indicators

Combics 2 and Combics 3 indicators are designed for use with both Combics and IF series platforms. However, various accessories may differ and are application dependent.

Applications Software Pre-installed:

Counting, checkweighing, differential weighing, percentage weighing, gross-net-tare, sorting, net-total, animal weighing

Custom Applications Packages:

Single component batching BASIC

Single component batching PRO

Specifications

Load Cell Connection:
4 or 6 wire

Excitation Voltage:
9V

Power Requirements:
120-240 VAC, 17 W / 23 VA maximum

Housing:
AISI 304 stainless steel

Dimensions:
(W x D x H): 11.9 x 7.4 x 3.5 in

Operating Temperature:
14° F to 104° F (-10° C to 40° C)

Net Weight:
5 lb

Warranty:
Two-year limited warranty
Accessories: One-year limited warranty

Standard Features

- IP protection rating (IP44, IP69K)
- Amber backlit LCD display
- On/Off Zero, Tare, Print/Data Keys
- Function keys for: Gross/net toggle; three-way unit toggle; 10X higher resolution toggle
- Keypad with two IDs for entering identifier codes and preset tare
- Info key for quick and easy display of tare input and ID codes
- Date/time fully integrated
- GMP/GLP printable record
- Platform toggling and four function keys
- Three built-in LED checkweighing lights
- Bar graph weighing range indicator
- Application data and totalization memory stored in battery-backed RAM
- Optional barcode scanner for preset tare, reference weight and ID entry
- Stored customer-specific data records
- Key for toggling between weighing applications, and five soft keys with text-supported user guidance
- Input functions for entering up to four alphanumeric ID texts

Part Number/Price

RLWS PN	Minebea PN	Description	Est. Weight	Price
102405	CAISL3-U	IP44 protection rated	7.5 lb	$1,787.00
Consult	CAISL3-UV1	IP44, IS base controller	7.5 lb	$2,121.00
102407	CAIS3-U	IP69K protection rated	7.5 lb	$2,121.00
115674	CAIS3-UV1	IP69K, IS base controller	7.5 lb	$2,447.00

Options/Accessories

RLWS PN	Minebea PN	Description	Price
105607	YDH02CISUS	Wall mount bracket	$75.00
171727	YDH12CWSUS	Bench mount bracket	$75.00
156440	YDH01CWSUS	Post mount assembly for 10 x 10 in platforms, 13 in high	$190.00
156441	YDH02CWSUS	Post mount assembly for 12 x 12 in platforms, 19 in high	$205.00
156442	YDH03CWSUS	Post mount assembly for 18 x 18 in platforms, 29 in high	$235.00
103049	YAS02C1	2 V industrial power supply	$249.00
155826	YDO02C-A0	Analog output, 0-20 mA, 4-20 mA, 0-10 V	$770.00
162640	YDO02C-ETH	Ethernet TCP-IP	$770.00
Cables			
155804	YCC05-001M2	RS-232 9/25-Pin D-Sub female, 1.5 m, IP44	$92.00
155805	YCC01-USBM2	RS-232 to USB connector, 2 m IP44	$254.00
155806	YCC02-D25F6	RS-232 open to 25 D-Sub female	$254.00