IND560 Panel

IND560 Desk

Fill-560

Weighing Terminal for Filling

APPLIED

Approvals:

- USA: Class III 10,000d, Class II 100,000d COC #05-010
- Canada: Class II 100,000d; Class III 10,000d, Class III HD 20,000d: #AM-5593

Standard Features:

- IP65 Panel-mount or a IP69k Desk Harsh Environment model (optional pair of wall mounting brackets 71209353 available)
- Supports eight 350ohm load cells or an IDNet base
- 1, 2, 3, or 4 material blend or fill sequence
- Weigh-in and/or weigh-out interlocks
- Memory tables for 25 targets and 25 tare values
- TraxDSP™ digital filtering and TraxEMT™ maintenance features
- Optional internal or external digital I/O using latched or unlatched outputs

IND560 Model Configuration

Terminal Type	Enclosure Type	Scale Type	Reserved	Ethernet/ Serial	Discrete I/O	PLC Interface	Application Software	Module	Power Option	Market
56	P,H	1,4	000	0,A,U	0,B	0,A,B,D,E,P,R	0,F	0	0,A-H	00

5 6 H 1 0 0 0 A B A F 0 A 0 0

Ordering Information

Order Number	Description	Shipping Weight (lb)	Suggested List Price (CDN$)
IND560 Enclosure and Scale Type (select one)			
56P1	Panel Mount Enclosure with Analog Scale Interface		$1,375
56H1	Harsh/Desk Enclosure with Analog Scale Interface		$1,452
56P4	Panel Mount Enclosure with IDNet Scale Interface		$1,667
56H4	Harsh/Desk Enclosure with IDNet Scale Interface		$1,738
IND560 Interface Ports			
0	One (1) Serial Port (Standard)		$0
A	Two (2) additional Serial Ports and one (1) Ethernet TCP/IP Port		$242
U	One (1) additional Serial Port, One (1) USB port, and one (1) Ethernet TCP/IP Port (Connection to a PC)		$303
IND560 Discrete I/O			
0	None		$0
B	Local discrete I/O (4 input, 6 output relays)		$242
IND560 PLC Interface			
0	No output option		$0
A	Analog output (4-20 mA or 0-10 V)		$600
B	ALLEN-BRADLEY™ RIO interface		$600
D	DeviceNet		$600
E	EtherNet/IP (Class 1 & Class 3 Messaging) (Connection to PLC)		$781
P	PROFIBUS® DP interface for panel mount enclosures		$600
R	PROFIBUS® DP interface for harsh desk enclosures		$600
IND560 Application Software			
0	Basic functionality		$0
F	Fill-560 filling and blending		$424
IND560 Module			
0	No module		$0
IND560 Power Option			
0	No power cord (panel)		$0
A	120 VAC, North American (harsh/desk)		$0
IND560 Market			
00	English		$0

IND780batch Manual

Recipe Control

IND780 Panel Mount

APPLIED

Approvals:

- NTEP Class III/IIIL 10,000d; Class II 100,000d; COC #06-017
- Measurement Canada Approval: Class II, 100,000d, Class III / IIIHD, 10,000d/ 20,000d; #AM-5592
- Div 2 Approval: US & Canada: Class I, II, III; Div 2; Groups A-D, F, and G T4; Ta=40ºC SEE DOCUMENTATION FOR DETAILS

Standard Features:

- Self Contained Stand Alone Batch Controller
- Simultaneous operation of up to 4 scales
- ISA-S88 Compliant
- Graphical backlit Color LCD display
- Track and Trace Capability
- PC Configuration and Batch Archive Software included
- Up to 1000 recipes containing up to 99 steps in each

For an automated IND780Batch System including I/O Control, Contact CS&S for support

IND780 Model Configuration

Terminal Type	Enclosure Type	Scale Type	Multi-Slot	Comm I/O Slot	Connectivity Option	Application	Module Option	Power Option	Market
78	J,R	0,1,4	0,1,4,A	0,A,D	0,B,C,D,E,P,R	B	0	A	00
7 8	J	1	0	0 0	0 0	0	B	0	A	00

Ordering Information

Order Number	Description	Shipping Weight (lb)	Suggested List Price (CDN$)
IND780 Enclosure type (select one)			
78J	Stainless Steel Desk, IP69K, color display		$3,091
78R	Panel Enclosure, color display		$3,025
IND780 Scale type ** (select one)			
0	None		$0
1	Analog scale		$484
4	IDNET scale		$484
	** To interface with SICS bases, utilize one Serial Port per base.		
IND780 Multi-purpose Options (select up to 3)			
0	None		$0
1	Analog scale		$484
4	IDNET / DigiNet scale		$484
A	Serial (RS232, RS422, RS485)		$242

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IND780batch

Order Number	Description	Shipping Weight (lb)	Suggested List Price (CDN$)
IND780 Communication and I/O Options (select up to 2)			
0	No Option		$0
A	Serial (RS232/RS422/RS485)		$242
D	Dual Channel Analog (4-20mA) Ouput Option (2 channels on each card, maximum of 2 cards)		$660
IND780 Connectivity Options (select one)			
0	None		$0
B	ALLEN-BRADLEY™ RIO		$600
C	ControlNET (Class 1 & 3 messaging)		$781
D	DeviceNet (limited to 2 scales in Integer or Divisions, or 1 scale in Floating Point format)		$600
E	EtherNet/IP (Class 1 & 3 messaging) (Connection to PLC) and Modbus TCP		$781
P	Profibus® DP (panel)		$600
R	Profibus® DP (desk/harsh)		$600
IND780 Application (select one)			
B	Manual Batching Application Software		$2,398
IND780 Module Option (select one)			
0	None		$0
IND780 Power Option (select one)			
0	No plug (panel)		$0
A	USA		$0
IND780 Market			
00	Global		$0

IND780batch

IND780 Option Kits

Order Number	SAP Order Number	Description	Shipping Weight (lb)	Suggested List Price (CDN$)
64063330	64063330	Single Analog Scale Option		$484
64057421	64057421	IDNET Scale Option		$484
64057420	64057420	Serial (RS232/RS422/RS485)		$242
72230302	72230302	Dual Channel Analog (4-20mA) Ouput KOP (2 channels on each card, maximum of 2 cards)		$660
71209098	71209098	ALLEN-BRADLEY™ RIO Option		$600
71209096	71209096	PROFIBUS® DP Option (panel)		$600
71209097	71209097	PROFIBUS® DP Option (desk/harsh)		$600
64057423	64057423	ControlNet Option (Class 1 & 3 messaging)		$781
64058677	64058677	EtherNet/IP (Class 1 & 3 messaging) (Connection to PLC) and Modbus TCP Option		$781
72193580	72193580	DeviceNet Option Board (limited to 2 scales in Integer or Divisions, or 1 scale in Floating Point format)		$600

IND780 Accessories

Order Number	SAP Order Number	Description	Shipping Weight (lb)	Suggested List Price (CDN$)
64053820	64053820	24VDC Supply for ARM100		$195
71209352	71209352	ARM100 Remote I/O Relay Module (4 Input, 6 Output Relays)		$490
64056538	64056538	W&M Sealing KOP (wire seal, screws, switch coverplate, security seals)		$42
64057325	64057325	Hardware Kit (screws, nuts, hex spacer)		$112
64057327	64057327	Connector Kit (one each of all connector plugs)		$222
64057326	64057326	Grip Bushing Kit		$112
21254225	21254225	1.5 m Cable - Open End-DB9m (for SICS Scale)		$101
09170240000		External Power Supply (for more than 14 POWERCELL load cells)		$321
22015188	22015188	IND780 Stainless Steel Tilt and Swivel Bracket with M8 Hole		$120
22011980	22011980	IND780 Stainless Steel 250 mm Wall Mounting Arm (requires 22015188)		$148
71209353	71209353	IND331, IND560, IND780 (Harsh) Stainless Steel Wall Mount Brackets (2 pieces)		$60

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IND780 Q.i

Material Transfer Control

APPLIED

Compliance:

- UL, CE, NTEP & OIML, Class II and Class III (Flow Meter card UL only)

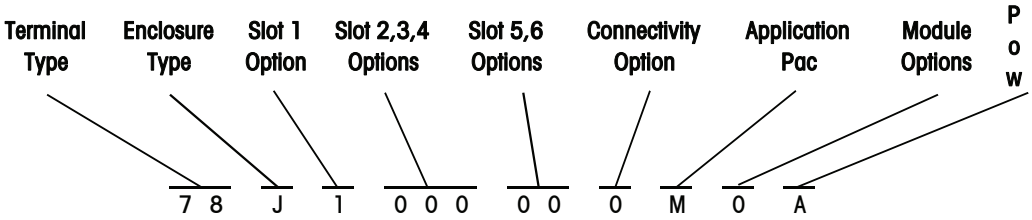
Enclosure:

- Stainless Steel, Panel Mount Type 4x/12 protection, Harsh IP69K Certified

Features & Options:

- Dedicated Material Transfer Controller - off load time critical material feed functions from PLC/DCS to IND780 Q.i
- Integrated PLC/DCS communications for complete process control include Profibus, Ethernet IP and ControlNet
- All other communications options are for limited monitoring only - please consult with your Q.i Representative
- May be configured without PAC license option for Q.i spill and dump-to-empty control
- May be configured with PAC license option for advanced Q.i control in addition to spill and dump-to-empty control
- The Q.i Application Pac option "T" includes TaskExpert
- Standard connectivity: 1xRS-232, 1xRS-232/422/485, Ethernet 10/100 Base-T, USB Master (external keyboard)
- Digital I/Os up to 40 Inputs and 56 Outputs
- Universal power supply: 100-240 VAC, 49-61Hz, 400mA consumption
- Wall mounting bracket not included, needs to be ordered separately

IND780 Q.i Model Configuration



Ordering Information

Order Number	Description	Shipping Weight (lb)	Suggested List Price (CDN$)
IND780 Enclosure & Display Types			
78J	Stainless Steel Desk, IP69K , Color		$3,091
78R	Panel, Color		$3,025
IND780 Slot 1 Option			
0	No Option		$0
1	Single Analog Scale Channel		$484
3	POWERCELL channel		$484
4	IDNet/DigiNet Channel		$484
6	PDX Powercell		$539
F	Flow Meter (two channel)		$1,023
IND780 Slot 2,3,4 Options			
0	No Option		$0
1	Single Analog Scale Channel		$484
4	IDNet/DigiNet Channel		$484
6	PDX Powercell (slot #2 only)		$539
A	Serial (RS232 / RS422 / RS485)		$242
F	Flow Meter (two channel)		$1,023

IND780 Q.i

Ordering Information

Order Number	Description	Suggested List Price (CDN$)
IND780 Slot 5,6 Options		
0	No Option	$0
A	Serial (RS232 / RS422 / RS485)	$245
B	4 Inputs, 4 Outputs; Dry Contact	$245
C	4 Inputs, 4 Outputs; Solid State	$245
F	Flow Meter (two channel)	$1,023
IND780 Connectivity Option		
0	No Option	$0
B	A-B RIO	$600
C	ControlNET	$781
D	DeviceNet	$600
E	EtherNet/IP - Modbus TCP	$781
P	PROFIBUS® DP - Panel	$600
R	PROFIBUS® DP - Desk/Harsh	$600
IND780 Application Pac Options		
T	Q.i	$3,355
IND780 Module Options		
1	No Predictive Adaptive Control Licenses	$0
A	One Predictive Adaptive Control License	$1,841
B	Two Predictive Adaptive Control Licenses	$3,270
C	Three Predictive Adaptive Control Licenses	$4,894
D	Four Predictive Adaptive Control Licenses	$6,526
E	Five Predictive Adaptive Control Licenses	$8,157
F	Six Predictive Adaptive Control Licenses	$9,788
G	Seven Predictive Adaptive Control Licenses	$11,420
H	Eight Predictive Adaptive Control Licenses	$13,074
J	Nine Predictive Adaptive Control Licenses	$14,693
K	Ten Predictive Adaptive Control Licenses	$16,312
L	Eleven Predictive Adaptive Control Licenses	$18,047
M	Twelve Predictive Adaptive Control Licenses	$19,666
IND780 Power Configuration		
0	No Plug (Panel Mount Unit)	$0
A	120VAC, North American Plug	$0
B	220VAC, Schuko Plug	$0
C	240VAC, UK Plug	$0
D	240VAC, Australian Plug	$0
E	220VAC, Swiss Plug	$0
H	220VAC, Indian Plug	$0
IND780 Market Options		
00	Global	$0

Configuration Notes:

Flow meter interface card is only available with the Q.i Application Pac "T"

Predictive Adaptive Control Licenses are only available with Q.i Application Pac "T"

When configuring scales and flow meters in the same terminal, select scale card(s) first

** Contact your CS&S Representative for module options and pricing for Procter & Gamble**

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IND780 Q.i

Ordering Information

Order Number	SAP Order Number	Description	Suggested List Price (CDN$)
IND780 Accessories			
64056538	64056538	W/M Sealing Kit	$42
64057326	64057326	Strain Relief Grommet Kit	$112
64057327	64057327	Spare Connectors Kit	$222
64057325	64057325	Miscellaneous Hardware Kit	$112
71209353	71209353	Wall Mounting Bracket (pair - fixed angle)	$60
71207884	71207884	Adjustable Stand	$94
64063330	64063330	Single Analog LC Interface	$484
64057417	64057417	POWERCELL Channel	$484
64057421	64057421	IDNet Channel	$484
64057419	64057419	4 Inputs, 4 Outputs - Dry Contact	$242
64057422	64057422	4 Inputs, 4 Outputs - Solid State	$242
64057420	64057420	Serial (RS232 / RS422 / RS485)	$242
71209098	71209098	A-B RIO	$600
64057423	64057423	ControlNET	$781
72193580	72193580	DeviceNet	$600
64058677	64058677	EtherNet/IP - Modbus TCP	$781
71209096	71209096	PROFIBUS® DP (Panel models)	$600
71209097	71209097	PROFIBUS® DP (Desk / Harsh models)	$600
64067252	64067252	PDX Powercell	$539
64068309	64068309	Q.i Application Pac	$3,355
64068310		Q.i Application Pac with one Predictive Adaptive Control License	$5,196
64068311		Q.i Application Pac with two Predictive Adaptive Control Licenses	$6,625
64068312		Q.i Application Pac with three Predictive Adaptive Control Licenses	$8,249
64068313		Q.i Application Pac with four Predictive Adaptive Control Licenses	$9,881
64068314		Q.i Application Pac with five Predictive Adaptive Control Licenses	$11,511
64068315		Q.i Application Pac with six Predictive Adaptive Control Licenses	$13,142
64068316		Q.i Application Pac with seven Predictive Adaptive Control Licenses	$14,775
64068317		Q.i Application Pac with eight Predictive Adaptive Control Licenses	$16,428
64068318		Q.i Application Pac with nine Predictive Adaptive Control Licenses	$18,047
64068319		Q.i Application Pac with ten Predictive Adaptive Control Licenses	$19,666
64068320		Q.i Application Pac with eleven Predictive Adaptive Control Licenses	$21,402
64068321		Q.i Application Pac with twelve Predictive Adaptive Control Licenses	$23,021
64068605	64068605	Flow Meter (two channel)	$1,023

Notes

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