

IQ 700 IS INTRINSICALLY SAFE DIGITAL INDICATOR

- Bright Light Emitting Diode (LED) display
- Stainless steel NEMA 4X enclosure
- Front-panel digital calibration
- Automatic zero and span temperature compensation
- Excitation for four 350Ω load cells at 5 VDC
- Bi-directional 20 mA current loop communication port
- Gross/Tare/Net computation
- Time and date, accumulator
- Tilt stand
- Set up parameters printout



This indicator is FM Approved for use in hazardous locations per Rice Lake Weighing Systems' control drawing file number 33476.

PART #	DESCRIPTION	EST. SHIP WEIGHT	SUGGESTED LIST PRICE
32708	IQ 700 IS Hostile Environment Digital Weight Indicator ...	14 lb	\$1,295.00

SYSTEM HARDWARE

31222	115 VAC EP/IS power supply w/15' AC cable	9 lb	595.00
31221	230 VAC EP/IS power supply w/15' AC cable	9 lb	620.00
31215*	IS battery option w/12" cable w/connector	8 lb	425.00

* Tilt stand #52216 required for indicator with battery

A-Load cell cable assembly:

36444	Load cell cable, 10 ft	50.00
44313	Load cell cable, 25 ft	75.00
44314	Load cell cable, 50 ft	112.00
44315	Load cell cable, 75 ft	145.00
44316	Load cell cable, 100 ft	180.00

B-Power supply cable assembly:

31212	Power supply cable, 10 ft	70.00
48690	Power supply cable, 25 ft	95.00
48691	Power supply cable, 100 ft	150.00

For custom cable lengths add \$1.50 per foot to the standard lengths listed above

OPTIONS/ACCESSORIES

51966	Battery charger, 115 VAC	115.00
63027	Battery charger, 230 VAC	345.00
52216	Tilt stand, required for indicator with battery	45.00
63224	Analog output, 0-10 or 4-20 mA (safe area option, requires I/O barrier) ..	545.00
44061	I/O barrier assembly	275.00
36528	Additional operating manual	35.00

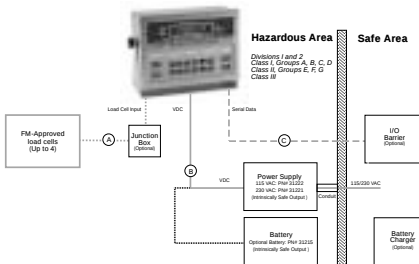
C-Serial output cable (required with I/O barrier):

36448	Serial output cable, 10 ft	48.00
48687	Serial output cable, 25 ft	73.00
48688	Serial output cable, 100 ft	178.00

SYSTEM WORKSHEET

PART #	PRODUCT	LIST \$
32708	Indicator	\$ 1,295.00
	Power Supply*	
	Scale	
	Cable A	
	Cable B	
	Cable C (option)	
	I/O Barrier (option)	

* 115 VAC, 230 VAC or Battery



WARNING! The equipment contained within this Explosive Environment section requires explicit attention to specification and installation guidelines. Improper specification, installation, or service of these products can result in loss of equipment or serious injury.

UMC 600 IS HAZARDOUS ENVIRONMENT INDICATOR

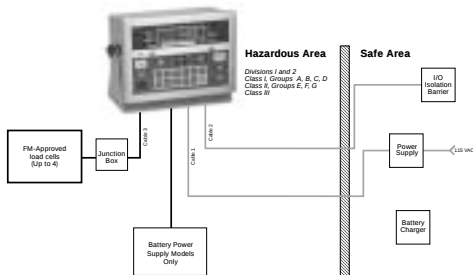
- Auto and manual batch modes with set point output control
- Bi-directional 20 mA current loop port
- Light Emitting Diode (LED) or Liquid Crystal Display (LCD)
- Stainless steel NEMA 4 enclosure
- Time and date
- Tilt stand
- Gross/Tare/Net computation
- Front-panel calibration



UMC 600 IS Part Numbering Guide

UMC 600 IS
UNIT MOUNTING STYLE _____ () () () ()
A = Tilt stand
B = Panel mounting bracket
OPERATING POWER _____
A = 115 VAC, 50/60 Hz
B = Battery power supply
DISPLAY _____
A = Light Emitting Diode (LED)
B = Liquid Crystal Display (LCD)
TERMINATIONS _____
A = Mating connectors
B = Junction box/mating cables

PART #	DESCRIPTION*	EST. SHIP WEIGHT	SUGGESTED LIST PRICE
115 VAC			
57038	UMC600ISAAAA	9 lb	\$1,815.00
61943	UMC600ISAABA	9 lb	1,815.00
57043	UMC600ISAAAB	9 lb	2,075.00
Battery Power			
62079	UMC600ISABAA	10 lb	1,895.00
62097	UMC600ISABBA	10 lb	1,815.00
62081	UMC600ISABAB	10 lb	2,155.00
* See catalog page for extended description			
OPTIONS/ACCESSORIES			
45898	I/O cable and load cell cable	1.50/ft.	
54074	Load cell connector kit, 6-pin	50.00	
54084	I/O connector kit, 5-pin	30.00	
45897	Power supply cable	1.00/ft.	
54080	Power supply connector kit, 3-pin	30.00	
54087	Battery charger, 115 VAC	115.00	
63224	Analog output, 0-10 VDC or 4-20 mA (safe area option, requires I/O barrier)	545.00	
55683	I/O barrier assembly	275.00	
58645	Additional operating manual	35.00	



Factory Mutual Approved Load Cell List (See Drawing)

- Revere Transducers
- Sensortronics
- HBM

EL232 XPCD EXPLOSION PROOF REMOTE SERIAL DISPLAY

- 20 mA current loop or RS-232 input
- Compatible with all IQ plus® series indicators
- NEMA 4, 7CD, 9EFG enclosure
- 115 VAC, 230 VAC available



PART #	DESCRIPTION	EST. SHIP WEIGHT	SUGGESTED LIST PRICE
20904	EL232 XPCD Explosion Proof Remote Serial Display	25 lb	\$1,595.00

INTRINSIC SAFETY BARRIERS

- Each system features excitation, sense and signal barriers
- Available in an enclosure for external mounting or in a chassis mount version
- R Stahl or equivalent barriers that are approved by Factory Mutual
- Load cells must have a bridge resistance of 350 to 750Ω



PART #	DESCRIPTION	EST. SHIP WEIGHT	SUGGESTED LIST PRICE
BARRIER SETS			
19382	Uncased barrier set for use with IQ plus 320 HE, IQ plus 810 HE and IQ plus 810SS	4 lb	\$895.00
19505	Cased barrier set for use with UMC555, UMC2000, IQ plus 310, IQ plus 700HB, UMC600, IQ plus 800 and IQ plus 810	5 lb	985.00
INDIVIDUAL BARRIERS			
30263	+/- Signal barrier	1 lb	295.00
30264	+/- Sense barrier	1 lb	295.00
30265	+ Excitation barrier	1 lb	195.00
30266	- Excitation barrier	1 lb	195.00

IQ PLUS® 310 XPCD DIGITAL WEIGHT INDICATOR

- Cast aluminum explosion proof enclosure Class I, Division 1 & 2, Groups C & D; Class II, Division 1 & 2, Groups E, F, & G
- AC powered, 115 VAC, 230 VAC available



PART #	DESCRIPTION	EST. SHIP WEIGHT	SUGGESTED LIST PRICE
19212	IQ plus® 310A XPCD Explosion Proof Weight Indicator ...	44 lb	\$3,995.00
OPTIONS/ACCESSORIES			
19327	Vinyl organisol coating	Consult Factory	
	Consult factory for polyurethane coating		

UMC555 XPCD DIGITAL WEIGHT INDICATOR

- AC powered, 115 VAC, 230 VAC available
- NEMA 4, 7CD, 9EFG enclosure
- External "Zero", "Gross/Net", "Tare" and "Print" explosion proof pushbuttons
- Full duplex RS-232, simplex RS-232 and current loop
- Includes two sealing fittings, packing and cement



PART #	DESCRIPTION	EST. SHIP WEIGHT	SUGGESTED LIST PRICE
19211	UMC555 XPCD Explosion Proof Weight Indicator	75 lb	\$3,995.00
OPTIONS/ACCESSORIES			
19327	Vinyl organisol coating		Consult Factory
	<i>Consult factory for polyurethane coating</i>		

IQ PLUS® 810 XPCD DIGITAL WEIGHT INDICATOR

- Bright, bold vacuum fluorescent display (VFD)
- Includes four-channel opto22 rack with four output relays
- 27 individual externally mounted buttons for setpoint or fixed tare entry, Gross/Net, Tare, Units and Print
- Time and date
- 20 updates/second
- Advanced digital filtering
- RATTLETRAP® vibration control
- 20 programmable setpoint steps
- Multi-channel accumulators
- Three digital inputs, TTL or dry contact closure
- Four TTL digital outputs expandable to 16—consult factory
- Selectable print data and format, via EDP port
- One communication port; EDP port, full duplex RS-232 or 20 mA selectable; optional—One additional serial port
- Multi-scale control expandable to four scale inputs
- Intrinsic barriers are included for a single scale input; for multi-scale applications, consult factory
- XPCD seal-off kit for four holes
- Front panel keyswitch-protected digital calibration and configuration



PART #	DESCRIPTION	EST. SHIP WEIGHT	SUGGESTED LIST PRICE
19213	IQ plus 810 XPCD	135 lb	\$8,995.00

CONSULT FACTORY FOR THESE ADDITIONAL OPTIONS

- Multi-scale input module and expansion board
- Analog output module, 0-10VDC/4-20 mA
- Header in print
- Rate of change
- Peak hold
- Password
- 12-channel digital setpoint output module
- 48-segment LED bar graph module
- 4-channel relay rack
- 16-channel relay rack
- RS-485 serial communication
- 20 mA full duplex EDP port
- I/O relay modules sold separately:
 - DC input relay module
 - Dry contact output relay module (N/O)
 - AC output relay module, 115 VAC
 - AC input relay module, 115 VAC
 - AC output relay module, 230 VAC (N/C)
 - AC input relay module, 230 VAC (N/O)

IQ PLUS® 810 PURGED/PRESSURIZED INDICATOR

- Enclosure manufactured to ANSI/NFPA Article 496 guidelines for purged/pressurized enclosures
- Flow and pressure gauges used to track and display purge status
- Factory-installed safety barriers for hazardous area interface
- Enclosure protection vent with tamper-proof regulator
- SURVIVOR® oil tight switches per NFPA 496
- NEMA 4X stainless steel wall mount enclosure
- Bright, bold Vacuum Fluorescent Display (VFD) with 1/4" clear vinyl cover plate per NFPA 496
- Full keyboard for setpoint or fixed tare entry
- Front-panel calibration
- Advanced digital filtering and RATTLETRAP® vibration control
- 20 programmable setpoint steps
- Multi-channel accumulators
- 3 digital inputs, TTL or hard contact closure; 4 TTL digital outputs, expandable to 16
- Multi-scale control expandable to 4 scale inputs, with individual scale setup
- 115 VAC, 230 VAC available



The IQ plus 810 indicator has the following approvals:



Measurement
Canada
Approved

The Purged/Pressurized systems have the following approvals:



UL & CSA approval applies to electrical power control unit only

PART #	DESCRIPTION	EST. SHIP WEIGHT	SUGGESTED LIST PRICE
40081	IQ plus 810 X-purged/pressurized indicator	90 lb	\$9,395.00
OPTIONS/ACCESSORIES			
19363	48-segment LED bar-graph module		\$195.00
40386	Dual load cell input module		640.00
19371	Single load cell input module		495.00
40385	Expansion board (keyboard connection only)		250.00
19357	Analog output module, 0-10 VDC/4-20mA		240.00
19358	Header in print		95.00
19359	Rate of change		95.00
19360	Peak hold		95.00
30547	Password		95.00
19372	RS-485 communication		25.00
19374	20 mA full duplex EPD port		25.00
36642	12-channel digital setpoint output module		165.00
19375	Supervisory setpoint configuration access switch		45.00
19365	4-channel relay rack		120.00
19373	16-channel relay rack		279.00
30263	± Signal barrier		295.00
30264	± Sense barrier		295.00
30265	+ Excitation barrier		195.00
30266	- Excitation barrier		195.00
31542	RS-232 communications barrier		245.00
31202	4-20 mA analog output barrier		245.00
I/O RELAY MODULES SOLD SEPARATELY			
15969	DC input relay module (N/O)		30.00
15970	Dry contact output relay (N/O)		35.00
15971	AC output relay module (115 VAC) (N/O)		28.00
15972	AC input relay module (115 VAC) (N/O)		30.00
22847	230 VAC output relay module (N/C)		28.00
36632	230 VAC output relay module (N/O)		28.00
42100	Additional operating manual (Version 3)		55.00