

Indicators & Remote Displays

IQ 700 & UMC600 DIGITAL WEIGHT INDICATORS



IQ 700



UMC600

PART #	DESCRIPTION	SUGGESTED LIST PRICE
15439	Power cord, KBE7314-1	\$25.00
15687	CONN, female, mate-n-lock	.50
15688	CONN, female housing, mate-n-lock	.50
58248	Self-locking nut for 21-key keypad	.50
19488	Tilt stand kit, KBT7116-2	40.00
	Component of Part #19488:	
55450	Gasket, tilt stand 1" dia. x 1/8" thick	.55
15337	Knob, tilt stand	3.50
56897	Board, ESD suppressor	50.00
19433	Foot, adhesive-backed, KN243D	2.20
15669	Cord grip assembly, 9mm	3.60
60124	Conn., 6-pin female internal thread, KBT7116-9	18.50
15748	Gasket, RFI shielding for load cell connector, KR7121A	1.15
15726	Chassis-mounted non-RFI load cell connector	16.00
58673	Chassis-mounted, 6-pin load cell connector cable assembly	30.00
58348	Filter, EMI, KL349B	24.00
55844	Battery, 12 V 1.9 AH, KB8902A (UMC600)	70.00
16436	Battery, 6 V 3AH (UMC600)	65.00
16727	Transformer (IQ 700) DST4A-16V non-RFI CPU bd	30.00
19391	Overlay, front-panel, full keyboard, KHK7237 (UMC600)	30.00
19404	Overlay, front-panel, full keyboard (IQ 700)	30.00
19406	Overlay, display, clear, KHG7237A	15.00
19539	Overlay, display, red, KMK7237B	15.00
19408	Overlay, 5-key, KHL7237A	15.00
19569	On/off label (UMC600)	5.00
19425	Connector kit, unshielded 6-pin, KBT7116-4	50.00
19516	Gasket, front cover, KN7121	10.00
19518	Gasket, back enclosure, KL7121	10.00
19535	Switch, power (UMC600), KDL7182A	14.00
19537	Boot, power switch, rubber (UMC600), KE7900A	7.50
19538	Plug, post screw, KF7241A	1.25
19542	Front bezel, KTJ72321	100.00
19543	Enclosure housing, stainless steel, KBE7125-1	120.00
19544	Bracket, face plate, KHD7287-2	20.00
56655	Gasket, face plate	1.00
14816	Screw, face plate	5.00
19545	Display, 6-digit LCD, KL73758	100.00
19555	Back plate, KLT7272-1	30.00
14845	Screw, back plate, 6-32NC x 3/8	1.10
23091	Standoff, 3-5/8"	3.50
19578	Analog output 0-10 V/4-20 mA KBY7116-4	545.00
19571	AC CPU RFI assembly, KBT7116-8	625.00
	Components of Part #19571:	
16361	IC, EPROM, KBB1921-14-1, U11	35.00
27998	IC, EPROM, KDA 1921-1, 512K, U11, KDA1921-15	30.00
16186	IC, Microprocessor, 80C31 40-pin, U7, KBF8918C	25.00
**16255	IC, S-RAM, DS1220 24-pin, U4	35.00
**16244	IC, S-RAM, DS1243 28-pin, U4 (Must have Part #16361 at U11)	65.00
16489	Diode, 1N5817, 1A, 20V diode, CR10	2.00
16636	Capacitor, 1000uF, 16V, C15	2.50
16756	Transformer, Power 120-240 V/16 V @ .8, T1, DST5-16	35.00
16444	Fuse, 1/4 A Slo-Blo, F1	2.50
16748	RFI CPU Choke Input, SC-02-06A2 KD7309A, L1	12.00
16376	IC, Voltage Regulator, LM2925, 5 V 5-pin to 220, U1	22.00
16370	IC, Voltage Regulator, LM2941CT, Adjustable 5-pin (600), U2	15.00
16371	IC, Voltage Regulator, LM2940T10, 10 V 3-pin (600), U3	8.00
16686	Transistor, NPN, MJE721, Q4, 2N5191	2.50
16688	Transistor, PNP, MJE711, Q5, 2N5194	3.25
**19613	Board, A/D Subassembly RFI, KGJ8900-1	160.00
**16240	IC, Hybrid A/D, KA8920, U3 (component of Part # 19613)	50.00
**16390	IC, Op-Amp, AD708JN 8-pin, U1 (component of Part # 19613)	20.00

* Replaces IQ600HB

** Replacement requires temperature compensation. Return to factory for repair.

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Indicators & Remote Displays

IQ 700 & UMC600 (Cont.)

PART #	DESCRIPTION	SUGGESTED LIST PRICE
Components of Part #19571 (Cont.):		
**16391	IC, Op-Amp, LT1013, U2 (component of Part # 19613)	\$18.00
16298	IC, Binary Counter, 74HC T4520,U5	5.00
54667	IC, RS-232 Transceiver MAX-232, U8	8.00
16382	IC, Optoisolator, 6N136GI, U14	10.00
26273	IC, Binary Counter, CD4024, U18	4.00
16224	IC, NAND Gate 2 Input, 74HC00, U6 and U10	3.00
26252	IC, Data Latch, 74HCT373, U9	4.40
16262	IC, Quad Input Tri-State, 74HCT257, U12	2.50
16326	IC, Flip-Flop Tri-State, 74HCT374, U13 and U19	7.50
16225	IC, Decoder, 74HC138 16-pin, U20	3.00
16488	Diode, Rectifier, IN4003, CR1-CR4	2.00
26242	IC, Resistor 7.5-ohm 3W, R11	6.00
26294	IC, Voltage Comparitor, LM392, U17	6.00
16406	IC, Op-Amp, Op-07 8-pin, U16	9.00
26235	Capacitor, 100uF, 16V, C17	2.50
33718	Capacitor, 10uF, 25V, C27	3.00
58618	Capacitor, 1000uF, 35V, C12	3.00
19601	AC, CPU RFI, 230 VAC	625.00
N/A	DC CPU assembly, KFG8924-1 (UMC600) (unavailable as a complete unit)	N/A
Components of DC CPU Assembly, KFG8924-1 (UMC600):		
16361	IC, EPROM, KBB1921-14-1	35.00
16186	IC, Microprocessor, 80C31 40-pin, U7	25.00
**16255	IC, S-RAM, DS1220 24-pin, U14	35.00
**16240	IC, Hybrid A/D, KA8920, U4	50.00
**16406	IC, Op-Amp, Op-07CP 8-pin, U1 and U2	9.00
**16372	IC, Op-Amp, AD648JN, 8-pin, U3	13.25
16376	IC, Voltage Regulator, LM2925T, U15 and U16	22.00
16381	IC, Voltage Regulator, LM317K, U19	7.25
16298	IC, Binary Counter, 74HC 4520, U5	5.00
54667	IC, RS-232 Transceiver MAX-232, U8	8.00
26252	IC, Data Latch, 74HCT373, U9	4.40
16262	IC, Quad 2 Input Tri-State, 74HCT257, U12	2.50
16224	IC, NAND Gate 2 Input, 74HCT00, U6 and U10	3.00
16326	IC, Flip-Flop Tri-State, 74HCT374, U13 and U19	7.50
26294	IC, Voltage Comparitor, LM392, U17	6.00
54663	RS-485 chip	5.00
19573	LED display board KGV8924-2	275.00
Components of Part #19573:		
16234	IC, Display Driver, MM5450, U1 and U2	8.50
16236	IC, Shift Register, 74HCT164, U3	3.50
16233	IC, Hex Inverter, 74HCT04, U8	2.25
60150	CONN, 16-pin, twin socket strip (display board)	5.00
16522	Display Segments DS1-DS6	6.00
15917	Switch, 4-position DIP	6.00
16579	POT, 10K, 25-turn	7.25
16526	LED, P300, 5mm, red diffused	7.00
19464	LED, T 1 3/4, red diffused, low profile keyboard display	3.25
19600	LCD display board, KFU8924-1	275.00
Components of Part #19600:		
16257	IC, Display Driver, MM5452, U1 and U2	12.00
16236	IC, Shift Register, 74HCT164, U3	3.50
16233	IC, Hex Inverter, 74HCT04, U8	2.25
16365	IC, Nand Buffer, 74HCT86, U4-U7	19.00
19545	DSI LCD Display Board, KC7375B	100.00
15917	Switch, 4-position DIP	6.00
16579	POT, 10K, 25-turn	7.25
19603	Toggle switch, KGW8924-2	125.00
19574	Switch assembly, 21-key keyboard, KGW8924-1	150.00
Component of Part #19574:		
19575	Tactile switch, KEF7182A	4.00
55133	Dry contact relay (UMC600), KAT7431A	18.00
55844	Replacement battery (UMC600), KB8902A	70.00
16361	Eproms (UMC600), KBB1921-14-1	35.00

** Replacement requires temperature compensation. Return to factory for repair.

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Indicators & Remote Displays

IQ 700 & UMC600 (Cont.)

PART #	DESCRIPTION	SUGGESTED LIST PRICE
19543	Housing enclosure w/special hole for relay kit (UMC600), KBE7125-3	\$120.00
19488	Tilt stand kit (UMC600), KBT7116-2	40.00
30352	Rack/panel mount kit (UMC600), KBT7116-5	45.00
55653	SS relay board, old style (UMC600), KBT7116-11	250.00
15959	Dry contact relay board, old style (UMC600), KBT7116-12	225.00
54206	Screw, sealing	2.00
55640	RS-422/RS-485 serial board assembly (UMC600), KBT7116-13	200.00
55653	SS relay board, 4 input & 4 output, 115 VAC relays, new style (UMC600), KBT7116-16 Components of Part #55653	250.00
59437	Relay output	28.00
57440	Relay input	28.00
55658	0-10 VDC/4-20 mA analog output kit, no board, requires KBT7116-16 (UMC600), KBT7116-17	275.00
55662	Combination analog & relay board (UMC600), KBT7116-19	495.00
55660	Analog output board, new style (UMC600), KBT7116-18	375.00
57923	Flange bezel, SST, KTT7237-1	125.00
16821	Operating manual (IQ700HB/UMC600)	35.00
16815	Technical manual (contains replacement parts drawings)	85.00

Indicators & Remote Displays

UMC222 DIGITAL WEIGHT INDICATOR



PART #	DESCRIPTION	SUGGESTED LIST PRICE
64983	Overlay, membrane switch	\$45.00
54545	Board, CPU	475.00
	Component of Part #63926:	
63893	EPROM, standard program, KDK1-21	28.00
54545	Board, CPU, 230 VAC	475.00
70335	Board, CPU for multi-range VDC model	475.00
70334	Power conditioner board for VDC model	150.00
55255	Serial expander assembly (RS-485, RS-422, 20mA loop) (not available on VDC unit)	160.00
71631	IC, crystal	45.00
56299	Screw, thumb	6.00
58983	Cable, grip, SL-7 w/nut	3.50
59001	Cable, grip, SL-11 w/nut	3.50
59143	Power cord	25.00
56575	Battery charger	100.00
56962	Battery, KE8902B	65.00
55257	Tilt stand kit	35.00

UMC444 & UMC555 DIGITAL WEIGHT INDICATORS



UMC444



UMC555

PART #	DESCRIPTION	SUGGESTED LIST PRICE
15726	Conn., 6-pin, male threaded, chassis mount	\$16.00
14849	Panel, captive screw	1.00
15337	Knob, tilt stand	3.50
15439	Power cord, KBE7314-1	25.00
60124	Socket, 6-pin internal thread (for load cell cable)	20.00
16425	Filter, EMI, KL349C	55.00
19425	Connector kit, unshielded 6-pin, KBT7116-4	50.00
19492	Connector kit, shielded 6-pin, KK7116-7	105.00
19578	Analog output 4-20 mA/0-10 V	545.00
19558	Enclosure, tan KT8720-1	45.00
19559	Bezel, front, KP7392B	55.00
19565	Back plate, KNY7272-1	30.00
19576	BCD option	545.00
63155	CPU assembly, 10 V RFI, KGY8924-2	495.00
	Components of Part #63155:	
*19613	RFI Board, A/D Subassembly RFI (Part #63155 only)	160.00
*16390	IC, Op-Amp, 8-pin, AD708JN, U1 (Part #63155 only)	20.00
*16406	IC, Op-Amp Op-07CP 8-pin, U1 & U2	9.00
16187	IC, EPROM, KBF1921-1-1, U11 (specify version)	35.00
16186	IC, Microprocessor, 80C31, U7, KBF8918B	25.00
54667	IC, Transceiver Max RS-232, U8	8.00
16382	IC, Optoisolator, 6N136GI, U4	10.00
16224	IC, NAND Gate 2 Input, 74HC00, U6 and U10	3.00
*16255	IC, S-RAM, DS1220 24-pin, U14	35.00
*16240	IC, Hybrid A/D, KA8920	50.00
16298	IC, Binary Counter, 74HCT4520, U5	5.00
16376	IC, Voltage Regulator, LM2925T, U15	22.00
26252	IC, Data Latch, 74HCT373, U9	4.40
16262	IC, Quad 2 Input Tri-State, 74HCT257, U12	2.50
*16391	IC, Op-Amp, LT1013, U2	18.00
26294	IC, Voltage Comparitor, LM392, U13	6.00
58618	Capacitor, 1000uF, 35V	3.00

* Requires temperature compensation. Return to factory for replacement.

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Indicators/Remote Displays

Indicators & Remote Displays

UMC444 & UMC555 (Cont.)

PART #	DESCRIPTION	SUGGESTED LIST PRICE
19415	LED display assembly, KFL8924-1	\$225.00
	Components of Part #19415:	
16234	IC, Display Driver, MM5450, U1 and U2	8.50
16522	Display Segments, LED, HDSP-5551, DS1-DS6	6.00
15917	Switch, 4-position DIP, S1	6.00
19618	Switch, tactile	2.50
26282	POT, 10K OHM, 12-turn	13.00
19587	Power supply, 10V, KHA8924-1	185.00
	Components of Part #19587:	
16444	Fuse, Slo-Blo, .25A, F1	2.50
16748	Choke, Input SC-02-06A2, L1	12.00
16727	Transformer, Power 120-240, T1	35.00
16488	Diode, Rectifier, IN4003, CR5-CR8	2.00
16639	Capacitor, 4,700 MFD 16 V Filter Caps, C3 and C4	5.50
16376	IC, Voltage Regulator, LM2925T, U1 and U2	22.00
55890	Diode, IN5819	1.00
26235	100 MFD 16 V Radical Elect., C7 and C8	2.50
58336	Power supply, 230 VAC, KHA8924-2	185.00
19612	Power supply, 12 VDC, external, KHF8924-1	90.00
59692	20 mA opto isolator 4N33, KMM1918A	6.00
30352	Rack/panel mount kit, KBT7116-5	45.00
19576	Parallel BCD, 115 VAC, KBY7116-1	545.00
55458	Parallel BCD, 230 VAC, KBY7116-2	545.00
57200	Serial I/O, KBY7116-11	245.00
58091	RFI filter, KL349C	23.00
55461	Tilt stand kit, KBY7116-3	40.00
19578	Analog 0-10 VDC or 4-20 mA, 115 VAC, KBY7116-4	545.00
*19577	Battery option, 115/230 VAC, KBY7116-8	175.00
56346	Gasket, front	5.00
16819	Operating manual	35.00
16815	Technical manual (contains replacement parts drawings)	85.00
UMC444 ONLY		
36145	Overlay, front panel, KHY7237G (UMC444)	25.00
55844	Replacement battery, KB8902A	70.00
30505	Cover bar front-panel, KET7302	15.00
54556	Front panel bezel, KMT7237-1	25.00
58031	Overlay, UMC444 stainless, KRB7237A	30.00
54206	Screw, face plate bracket	4.00
UMC555 ONLY		
61363	LED 12 VDC uncased (UMC555)	600.00
19416	Overlay, front panel, KJY7237B (UMC555)	30.00
19557	Cover bar front-panel, KDF7302-1 (UMC555)	15.00
55886	Front panel plate, KHR7237-1 (UMC555)	20.00
14816	Screw, face plate bracket	5.00
19560	Board, power supply/charger 10V	325.00
19618	Tactile switch	3.00

* Use with KGH8924 power supply charger

Indicators & Remote Displays

UMC612 DIGITAL WEIGHT INDICATOR



PART #	DESCRIPTION	SUGGESTED LIST PRICE
15439	Power cord, KBE7314-1	\$25.00
19488	Tilt stand kit, KBT7116-2	40.00
30352	Rack/panel mount kit, KBT7116-5	45.00
60124	6-pin standard load cell mating connector, KBT7116-9	20.00
55653	SS relay option, 4 input & 2 output, 115 VAC relays, KBT7116-16	250.00
	Components of Part #55653	
59437	Relay output	28.00
57440	Relay input	28.00
55658	0-10 VDC/4-20 mA analog output, kit, no board, requires KBT7116-16, KBT7116-17	275.00
55660	Analog output board, KBT7116-18	375.00
55662	Relay and analog board, KBT7116-19	495.00
19575	Keyboard switch, KEF7182A	4.00
19574	Switch board assembly, JGW8924-1	150.00
19544	Face plate bracket, KHD7287-1	20.00
59500	Display assembly (LED), KJH8924-1	325.00
63227	CPU assembly, KJP8924-1	725.00
16756	Transformer, KN7301F	35.00
57143	EMI Filter, AC input, KNP7314-1	23.00
57872	Display overlay, red lens, KTW7237	15.00
19542	Front bezel, KTJ7237-1	100.00
58644	Front panel overlay, keys, KTK7237A	30.00
56897	Board, surge suppressor	50.00
55651	Relay cable, KBT7116-15	45.00
55825	Operation/calibration manual	35.00