

**OTEKCORP.com BARGRAPHS MILITARY, NUCLEAR & INDUSTRIAL REPLACEMENTS &
MECHANICAL CROSS-REFERENCE CHART (As of 11/10/09)**

REPLACEMENT BY MODEL GUIDE

GE/ Yokogawa	Ametek/ Dixson	Weschler/ Westinghouse	Prime/Sigma/Int'l Inst./Bowmar/A&M Inst./Weston/NES	Versatile (VMI)	Foxboro	Bailey	Chessell	Hays- Republic	OTEK's "HI-Q XXX"
180	SA101P	VX252	1151/1251					3600	119*
180	SA202P	VX252	ANY 6"					3600	119*
US1000	BD101P		9270						120*
	BD202P		9270						120*
	BG101P	APM-500				RY			116
	BG202P	BG-600				RY			116
	BK051P				257			216	114
	BJ101P		9270	2000					120*
	BJ202P		9270	2000					2000, 2K
AB/DB40	BW051P	K231/241/ KA241							TBS* SEB
	BE051								101
	BE101								101
	BL101P		9270						120*
	BL202P		9270						120*
	BS101P		9264						121
	BS202P		9264						121
	BT033P		9263, 9223, 9222						TEK
	BTW71P								TBS*,SEB
	BTO71P	APM-800					700	216	114
	SH101P								116
	SH202P								117*/118*
	BB101								119*

- Notes:** 1) Original MFR. Might have "Private Label," to other company(ies). Check with MFR.
2) Minor mechanical dimensions might exist between manufacturers and not all might be for Class 1E.
3) Several MFRs. Use same prefix (SA, BK, BG, etc.,) for different features but same mechanical. OTEK's "HI-Q"=HI I.Q."=SAME HW & FW. (All have been SV & V). Suffix=Different Mechanical. *Complies and approved for EPRI-102323R3 (IEEE RG1.180R1) and shock and vibration. (RG1.100R2)
4) Contact OTEK if yours is not listed. If we don't have it, we'll make it.
5) See P.2 for mechanical information.

MECHANICAL CROSS-REFERENCE CHART

Notes: 1. dimensions taken from MFR's Data Sheets (Not Confirmed)

Model	Cut-Out W x H	Bezel W x H	Body L x H x W	Notes:	Closest
Dixson					
BB101P / 202P	1.77 x 5.70	1.74 x 6.0	6.50 x	Trim plates add 0.21 x 2 = 2.16"	HIQ119
BT033P		2.16 x 4.05		Dixon claims replaces 9263	HIQTEK
BS101P / 202P		2.83 X 5.67		1/2 Din same as HIQ2K / 120	HIQ121
BJ101P / 202P		" "		" "	HIQ120
BL101P / 202P		2.00 x 7.00		Dixon claims replaces 9270	HIQ120
BG101P / 202P		1.89 x 7.01		Dixon claims replaces RY	HIQ116
BK051P	2.94 x 10.52	2.88 x 11.25	8.0 x 6.00 x 1.74	Trim plates add .37 x 2 = 3.62"	HIQ114
BT071P		2.16 x 4.05		Dixon claims replaces Sigma 9263	HIQ114
BW051P		4.625 x 4.625		Switch Board = HIQTBS++	TBS, SEB
BE101 / 051		1.39 x 6.64		HIQ101 Replaces (all)	HIQ101
BD101P / 202P		2.83 x 5.67		1/2 Din same as HIQ2K / 120	HIQ120
APM-100	0.56 x 3.77	0.62 x 3.83	3.70 x 3.72 x 0.52	Very small	-
	0.75 x 3.77	1.06 x 4.812	5.3 x 4.3 x 1.00	closest: HIQ-SLIM	HIQSLIM
	1.00 x 5.25	1.25 x 6.375	3.1 x 5.20 x 0.95	" "	HIQSLIM
	0.8 x 5.20	1.4 x 5.70	3.7 x 5.15 x 0.75	" "	HIQSLIM
Sigma 9264					
SIGMA 9270	2.68 x 5.43	2.835 x 5.67	9.1 x 5.37 x 2.63		HIQ121
					HIQ120
Versatile					
VMI 9292	1.77 x 5.43	2.85 x 7.06	10 x 5.30 x 1.75	9292=1bar, 9294=2bar	HIQ121
VMI 9292	2.69 x 5.43	2.85 x 7.06	10 x 5.30 x 1.75	2.69" is an optional width	HIQ120
VMI 2000	1.85 x 5.50	2.85 x 5.70	8.0 x 5.30 x 1.78	Single or Dual bargraph	HIQ2K, 2000
VMI 2000	2.69 x 5.50	2.85 x 5.70	8.0 x 5.30 x 1.78	2.69" is an optional width	HIQ2K, 2000
VMI 1192/1292	1.77 x 5.68	1.70 x 6.05	6.0 x 5.60 x 1.75	1192=Single bars, 1292=Dual bars	HIQ121
VMI 1192/1292	1.77 x 5.68	2.20 x 6.05	6.0 x 5.60 x 1.75	Bezel's trim plate is removable	HIQ120

MECHANICAL CROSS-REFERENCE CHART CONT.

Weschler					
51/54 NES	1.7 x 5.63	1.72 x 6.00	7.5 x 5.6 x 1.68	Nes sold by Weschler	HIQ121
57	4" SQR	4.45 x 4.45	7.5 x 2.85 x 3.0?	Also offers Std. SWBD. Mount	HIQTBS, SEB
APM800	0.8 x 10.2	1.4 x 10.70	3.7 x 3.75 x 0.75	Reduced Body DIM (Weird)	-
BG241261	4"	4.42 x 4.42	3.6 x 5.2 D SWBD		HIQTBS, SEB
251 / 281		6" x 8"		BG251 = 6"O, BG281 = 8"O	-
DG/BH-252	1.70 x 5.70	2.17 x 6.04	7.5 x 5.67 x 1.70	Same as BI 1251? BH=Horizontal	HIQ121
PC/PH101/202	2.60 x 5.35	2.84 x 5.70	7.5 x 5.34 x 2.57	101=1bar, 202=2bars, H=Nuclear?	HIQ120
BW1316	1.875 x 5.50	2.13 x 6.00	7.6 x 5.50 x 1.86		HIQ2K, 2000
BV5A	1.82 x 7.20	1.75 x 7.50	12 x 7.10 x 1.80		-
BI1251	1.77 x 5.70	2.17 x 6.04	7.5 x 5.67 x 1.70	same as BG/BH-252?	HIQ121
PC/ML-202				same as PC/PH101	-
PG-101/202	3.97 x 9.12	4.05 x 10.1	8 x 9.05 x 3.85	PG & BD are almost same dimensions	-
BD-101	2.95 x 12.3 3.94 x 9.12	3.14 x 12.9	8 x 9.05 x 3.85	" "	-

Note:

1. Many manufacturers' products were sold under "private label" brands. The best way to find a replacement is to measure the panel cut-out, bezel dimensions and maximum depth required to minimize your panel and harness changes.
2. Analog meter replacements. Legacy control room and simulators have no electrical provisions for power to the analog meters. See OTEK series ACS (for AC), LPS (for loop powered) & VSP (for VDC signal powered.)

**IF YOU DON'T SEE IT
ASK FOR IT!**



OTEK™
CORP.

4016 E. Tennessee St. Tucson, AZ 85714 Ph:520.748.7900 F:520.790.2808 email: sales@otekcorp.com www.otekcorp.com