

# Obsolete product list

Once a product becomes obsolete, the service level time clock starts ticking. Over the next five years, service levels will decrease due to availability of parts. Once the parts run out, the product can only be calibrated. Over time, the product is moved from **end of life** to **severe** risk due to service constraints.

<b>SEVERE RISK</b>	<b>Not serviced:</b> No calibration nor repairs are available
<b>HIGH RISK</b>	<b>Calibration:</b> Calibration available, but repairs are no longer available due to lack of parts
<b>ELEVATED RISK</b>	<b>Limited service:</b> Calibration and repair where parts needed are still available

Here's a list of obsoleted products color-coded with their risk level. The higher the risk, the higher the urgency to upgrade that product. The higher the risk, the easier it will be to justify funding. **'Severe'** and **'high'** products need to be replaced first.

ESA615



Electrical safety analyzers						
Item	Description	MFR	End of manf (MM-DD-YY)	Service level	Replacement	
DALE601E	Electrical safety analyzer	DALE	06-01-14	Not serviced	ESA612	
DALE601	Electrical safety analyzer	DALE	06-01-14	Not serviced	ESA612	
DALE601	Electrical safety analyzer	DALE	06-01-14	Not serviced	ESA612	
ESA175	Electrical safety analyzer	FBC	06-01-14	Calibration only	ESA609	
ESA180	Electrical safety analyzer	FBC	06-01-14	Calibration only	ESA612	
LT544DLITE, LT544DPLUS	Electrical safety analyzer	FBC	06-01-14	Not Serviced	ESA609	
LT544D-20	Electrical safety analyzer	FBC	06-01-14	Not serviced	ESA609	
ESA601	Electrical safety analyzer	FBC	12-31-09	Not serviced	ESA612	
232D	Electrical safety analyzer	FBC	07-29-09	Not serviced	ESA612	
ESA505PRO	Electrical safety analyzer	FBC	05-08-08	Not serviced	ESA615	
231D	Electrical safety analyzer	DNI	06-01-03	Not serviced	ESA612	
234 A	Electrical safety analyzer	DNI	06-01-03	Not serviced	ESA612	
235A	Electrical safety analyzer	DNI	06-01-03	Not serviced	ESA612	
QA-ST MkII INT	Safety tester	METRON	08-07-05	Not serviced	ESA612	
QA-ST MkII GER	Safety tester	METRON	08-07-05	Not serviced	ESA612	
QA-ST MkII US	Safety tester	METRON	08-07-05	Not serviced	ESA612	
ISA601 Pro XL	Electrical safety analyzer	FBC	10-24-2023	Limited Service	ESA620	



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Diagnostic imaging testers						
Item	Description	MFR	End of manf (MM-DD-YY)	Service level	Replacement	
RaySafe Solo	X-ray test device	Unfors RaySafe	12-31-20	Not Serviced	RaySafe X2	
RaySafe Xi	X-ray test device	Unfors RaySafe	12-31-18	Not Serviced	RaySafe X2	
Keithly Triad Kit	X-ray test device	Keithley	12-31-15	Calibration only	RaySafe X2	
4000	X-ray beam test device	Victoreen	12-31-15	Not Serviced	RaySafe X2	
8000	Nero max x-ray test device	Victoreen	08-16-01	Not Serviced	RaySafe X2	
35035	Ma/mas meter	Keithley	12-31-15	Calibration only	RaySafe X2	
35040	Advanced therapy dosimeter	Keithley	03-18-20	Not Serviced	RaySafe X2	
35080	Kvp divider	Keithley	12-31-15	Not Serviced	RaySafe X2	
96020	150 cc ion chamber	Victoreen	12-31-15	Not Serviced	RaySafe X2 R/F Sensor	
96030	15 cc ion chamber	Victoreen	12-31-15	Not Serviced	RaySafe X2 R/F Sensor	
96035	15 cc ion chamber	Victoreen	12-31-15	Not Serviced	RaySafe X2 R/F Sensor	
1350005000	Main assembly, dose/mas	Victoreen	12-31-15	Calibration only	RaySafe X2	
1360005000	Main assembly, tnt12000 w/mas	Victoreen	12-31-15	Calibration only	RaySafe X2	
07-479	Dental kvp meter	Victoreen	12-31-15	Not Serviced	RaySafe X2 Solo DENT	
500-100	CT ion chamber, 3.2 Cm3	Victoreen	12-31-15	Not Serviced	RaySafe X2	
500-200	CT ion chamber high	Victoreen	12-31-15	Not Serviced	RaySafe X2	
6000-100	CT ion chamber, 3.2 Cm3	Victoreen	12-31-15	Not Serviced	RaySafe X2 CT Sensor	
6000-200	CT ion chamber high	Victoreen	12-31-15	Not Serviced	RaySafe X2 CT Sensor	
6000-528	Radiographic ion chamber	Victoreen	12-31-15	Not Serviced	RaySafe X2 R/F Sensor	
6000-529	Mammographic ion chamber	Victoreen	12-31-15	Not Serviced	RaySafe X2 MAM Sensor	
6000A	Nero beam analyzer w/printer	Victoreen	12-31-15	Not serviced	RaySafe X2	
6000B	Nero beam analyzer w/printer	Victoreen	12-31-15	Not serviced	RaySafe X2	
6000M	Nero beam analyzer	Victoreen	12-31-15	Not serviced	RaySafe X2	
96020A	150cc ion chamber	Keithley	12-31-15	Calibration only	RaySafe X2	
96020B	150cc ion chamber	Keithley	12-31-15	Calibration only	RaySafe X2	
96020C	Diagnostic ionization chamber	Keithley	12-31-15	Calibration only	RaySafe X2	
96035B	Diagnostic ionization chamber	Keithley	12-31-15	Calibration only	RaySafe X2	
96035B/N	Ion chamber assembly	Keithley	12-31-15	Calibration only	RaySafe X2	

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Diagnostic imaging testers (continued)						
Item	Description	MFR	End of manf (MM-DD-YY)	Service level	Replacement	
TNT12000	X-ray test tool	Victoreen	12-31-15	Calibration only	RaySafe X2 Solo	
RaySafe Mult-O-Meter 710L	Inv 2: mA, mAs, time Ext 1: kVp R/F, dose R/F, rate R/F, time, pulse, dose/ frame	Unfors	03-20-11	Not serviced	RaySafe X2 R/F w/mAs	
RaySafe Mult-O-Meter 711L	Inv 2: mA, mAs, time Ext 1: kVp R/F, dose R/F, time	Unfors	03-20-11	Not serviced	RaySafe Solo DENT w/mAs	
4000+	X-ray test device	Victoreen	08-16-01	Not Serviced	RaySafe X2 Solo	
TNT 12000 DOSEMATE	Dosemate, main assembly	FBC	12-31-15	Calibration only	RaySafe X2	
TNT 12000WD-E	TNT 12000wd, wireless detector	FBC	12-31-15	Calibration only	RaySafe X2	

ProSim 3



Patient monitor simulators						
Item	Description	MFR	End of manf (MM-DD-YY)	Service level	Replacement	
215M	Patient Simulator	FBC	12-31-15	Not serviced	ProSim 3	
217A-21A	Controller/Co simulator accessory	FBC	12-31-15	Not serviced	ProSim 3	
MPS450	PT SIM (4IBP)	FBC	12-31-15	Not serviced	ProSim 3	
MPS450-CO	PT SIM (4IBP) w/cardiac output	FBC	12-31-15	Not serviced	ProSim 3	
MPS450-CO/FET	PT SIM (4IBP) w/cardiac output and fetal	FBC	12-31-15	Not serviced	ProSim 3	

# Obsolete product list

Impulse 7000DP



Defibrillator analyzers						
Item	Description	MFR	End of manf (MM-DD-YY)	Service level	Replacement	
Impulse 4000	Defibrillator analyzer	FBC	05-08-08	Not serviced	Impulse 7000DP	
DALE900	Defibrillator analyzer	DALE	06-01-03	Not serviced	Impulse 6000D	
QED-6H	Defibrillator analyzer	FBC	08-01-13	Not serviced	Impulse 7000DP	
DALE400	Pacemaker analyzer	DALE	01-14-08	Not serviced	No replacement	
Impulse 3000	Defibrillator analyzer	DNI	06-01-03	Not serviced	Impulse 6000D	
SigmaPace 1000	External Pacemaker Analyzer	FBC	12-20-22	Calibration Only	No replacement	

RaySafe 452



Radiation safety						
Item	Description	MFR	End of manf (MM-DD-YY)	Service level	Replacement	
290	Thyac IV survey meter (mr or si readings)	Victoreen	12-31-15	Not serviced	451p or 452	
490	Thyac III survey meter	Victoreen	12-31-15	Not serviced	451p or 452	
491	Thyac IV, wide range survey meter	Victoreen	12-31-15	Not serviced	451p or 452	
492	Ndt survey meter	Victoreen	12-31-15	Not serviced	451p or 452	
493	Utility survey meter	Victoreen	12-31-15	Not serviced	451p or 452	
496	Medium range survey meter	Victoreen	12-31-15	Not serviced	451P or 452	
RPO-50	Classic survey meter	Victoreen	12-31-15	Not serviced	451P or 452	
450B	Survey meter, beta slide	Victoreen	12-31-15	Not serviced	451p or 452	
450B-DE-SI	Survey meter	Victoreen	12-31-15	Not serviced	451p or 452	
450B-SI	Survey meter, beta slide, si	Victoreen	12-31-15	Not serviced	451p or 452	
450P	Pressurized survey meter	Victoreen	12-31-15	Not serviced	451p or 452	
450P-DE	Survey meter	Victoreen	12-31-15	Not serviced	451p or 452	
450P-DE-SI	Survey meter w/icru curve si	Victoreen	12-31-15	Not serviced	451p or 452	
450P-SI	Pressurized survey meter, si	Victoreen	12-31-15	Not serviced	451p or 452	
489-110C	Gm pancake probe with metal	Victoreen	12-31-15	Not serviced	451p or 452	
489-110E	Gm pancake probe with abs	Victoreen	12-31-15	Not serviced	451p or 452	
489-110FS	Gm pancake probe with filter	Victoreen	12-31-15	Not serviced	451p or 452	
90-S11	Analog survey meter	Victoreen	12-31-15	Not serviced	451p or 452	
489-110D	Gm Pancake probe	Victoreen	12/31/2022	Not serviced	451p or 452	
ASM-990	Advanced Survey Meter	FBC	04-01-22	Not serviced	451p or 452	
ASM-992	Advanced Survey Meter	FBC	04-01-22	Not serviced	451p or 452	
ASM-993	Advanced Survey Mete	FBC	04-01-22	Not serviced	451p or 452	

# Obsolete product list

QA-ES III



Electrosurgery device analyzers						
Item	Description	MFR	End of manf (MM-DD-YY)	Service level	Replacement	
QA-ES II	Electrosurgical analyzer	FBC	07-29-16	Calibration only	QA-ES MKIII	
454A	Electrosurgical analyzer	DNI	01-01-07	Not serviced	QA-ES MKIII	
QA-ES II 115V	Electrosurgery analyzer	FBC	07-29-16	Calibration only	QA-ES MKIII	
QA-ES II 230V	Electrosurgery analyzer, 230V	FBC	07-29-16	Calibration only	QA-ES MKIII	
RF303RS	Electrosurgery analyzer	FBC	01-01-20	Calibration only	QA-ES MKIII	

IDA-6



Infusion pump analyzers						
Item	Description	MFR	End of manf (MM-DD-YY)	Service level	Replacement	
IDA-4 Plus	Infusion pump analyzers	FBC	06-01-14	Not serviced	IDA-6	
LAGU 2	Infusion pump analyzers	METRON	08-01-05	Not serviced	IDA-6	
LAGU 1	Infusion pump analyzers	METRON	08-09-05	Not serviced	IDA-6	
INFUTEST	Infusion pump analyzers	DNI	10-01-03	Not serviced	IDA-6	
IDA-2PLUS	Infusion pump analyzers	BTI	12-01-03	Not serviced	IDA-6	
Dale4100	Infusion pump analyzers	DALE	01-01-11	Not serviced	IDA-6	
IDA-4/1	Infusion pump analyzers 1 ch	FBC	06-01-14	Not serviced	IDA-6	
IDA-4/2	Infusion pump analyzers 2 ch	FBC	06-01-14	Not serviced	IDA-6	
IDA-4/3	Infusion pump analyzers 3 ch	FBC	06-01-14	Not serviced	IDA-6	
IDA-4/4	Infusion pump analyzers 4 ch	FBC	06-01-14	Not serviced	IDA-6	

ProSim SPOT Light



SPO2 Analyzers						
Item	Description	MFR	End of manf (MM-DD-YY)	Service level	Replacement	
OXITEST PLUS	SpO2 analyzer	DNI	10-01-03	Not serviced	ProSim SPOT Light	
OXITEST PLUS 7	SpO2 analyzer	DNI	10-01-03	Not serviced	ProSim SPOT Light	
INDEX 2MF	SpO2 analyzer	BTI	05-01-03	Not serviced	ProSim SPOT Light	
INDEX 2MFE	SpO2 analyzer	BTI	01-01-01	Calibration only	INDEX 2XLFE	
INDEX 2FE	SpO2 analyzer	BTI	05-01-03	Calibration only	INDEX 2XLFE	

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Oxygen analyzer/monitor						
Item	Description	MFR	End of manf (MM-DD-YY)	Service level	Replacement	
DALE50	Oxygen monitor	DALE	07-29-16	Not serviced	MaxO2+ AE	
MAX02	Oxygen analyzer	BTI	06-01-03	Calibration only	MaxO2+ AE	



Gas flow analyzers						
Item	Description	MFR	End of manf (MM-DD-YY)	Service level	Replacement	
VT+	Adult ventilator tester	BTI	11-01-03	Limited service	VT900A	
VT PLUS HF	Adult ventilator tester	FBC	9-30-18	Limited service	VT900A	
VT Mobile	Adult ventilator tester	FBC	9-30-18	Limited service	VT650	
VT305	Adult ventilator tester	FBC	9-30-18	Limited service	VT650	
9VT0004	VT-plus gas flow analyzer	FBC	12-31-15	Not serviced	VT900A/VT650	

Ultrasound tester/wattmeters						
Item	Description	MFR	End of manf (MM-DD-YY)	Service level	Replacement	
UW5	Ultrasound wattmeter	FBC	02-21-08	Not serviced	UPM-DT-505SP	
UW-4	Ultrasound wattmeter	FBC	02-01-06	Not serviced	UPM-DT-505SP	
DALE800K-CUST1	Ultrasound leakage current test kit (must be 800B)	DALE	01-01-06	Calibration only	ULT800K-CUST1	
DALE800K-CUST2	Ultrasound leakage current test kit (must be 800b)	DALE	01-01-06	Calibration only	ULT800K-CUST2	
DALE800	Ultrasound leakage tester	DALE	01-01-06	Calibration only	ULT800	
DALE800A	Ultrasound leakage tester	DALE	01-01-06	Calibration only	ULT800	
DALE800K	Ultrasound leakage current test kit (must be 800b)	DALE	01-01-05	Calibration only	ULT800K-CUST1 plus individual transducer adapters	

# Obsolete product list

Miscellaneous test equipment						
Item	Description	MFR	End of manf (MM-DD-YY)	Service level	Replacement	
DALE20	Pneumatic transducer tester	DALE	01-01-07	Not serviced	DPM1B	
DALE21	Digital pressure meter	DALE	01-01-07	Not serviced	DPM2 PLUS	
INCU	Incubator analyzer	FBC	03-31-16	Not serviced	INCU II	
X74345	Photo therapy radiometer	BTI	06-01-03	Calibration only	DALE40	
DPM-2	Pressure meter	FBC	12-31-15	Not serviced	DPM2-PLUS	
DPM3	Universal biometer pressure/ temp	FBC	12-31-15	Not serviced	DPM4	
35040TNC	Advanced therapy dosimeter opt	Keithley	03-18-20	Not serviced	No replacement	
199XRAY	Fluke 199xray, biomedical x-ray	FBC	12-31-15	Not serviced	190M-2 or -4	
DPM4-1/G	Parameter tester, hi press, temp	FBC	09-21-23	Calibration only	No Replacement	
DPM4-1/H	Parameter tester, low press, temp	FBC	09-21-23	Calibration only	No Replacement	
DPM4-2/G	Parameter tester, hi press, temp, low flow	FBC	09-21-23	Calibration only	No Replacement	
DPM4-2/H	Parameter tester, low press, temp, low flow	FBC	09-21-23	Calibration only	No Replacement	
DPM-1	Pneumatic transducer tester	FBC	09-21-23	Calibration only	No Replacement	

### Fluke Biomedical

*We empower our everyday heroes to focus only on protecting lives.*

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