PERMANENT SENSITIVITY, RADIATION COUNTER TUBES

TYPE NO.	Filling	Operating Voltage	Plateau	Slope Plateau	Dead Time (Approx.)	Background (Shielded 2" Lead)
75N-7‡	Neon + quenching admixture	700 D.C.‡	in excess of 125 volts	15% per 100 volts max.	100 micro-seconds	50 counts per minute max.
75NB3-7‡	Neon + quenching admixture	700 D.C.‡	in excess of 125 volts	15% per 100 volts max.	100 micro-seconds	50 counts per minute max.
90NB	Neon + quenching admixture	900 D.C.	in excess of 200 volts	10% per 100 volts max.	100 micro-seconds	50 counts per minute max.
100C	Argon + quenching admixture	1200 D.C.	in excess of 300 volts	5% to 10% per 100 volts	200 micro-seconds	50 counts per minute max.
100CB	Argon + quenching admixture	1200 D.C.	in excess of 300 volts	5% to 10% per 100 volts	200 micro-seconds	50 counts per minute max.
100N	Neon + quenching admixture	700 D.C.	in excess of 200 volts	5% to 10% per 100 volts	200 micro-seconds	50 counts per minute max.
100NB	Neon + quenching admixture	700 D.C.	in excess of 200 volts	5% to 10% per 100 volts	200 micro-seconds	50 counts per minute max.
120C	Argon + quenching admixture	1200 D.C.	in excess of 300 volts	5% to 10% per 100 volts	300 micro-seconds	100 counts pe minute max.
120N	Neon + quenching admixture	700 D.C.	in excess of 200 volts	5% to 10% per 100 volts	300 micro-seconds	100 counts pe minute max.
120NB	Neon + quenching admixture	700 D.C.	in excess of 200 volts	5% to 10% per 100 volts	300 micro-seconds	100 counts pe minute max.
150N	Neon + quenching admixture	700 D.C.	in excess of 180 volts	10% per 100 volts max.	150 micro-seconds	75 counts per minute max.
150NB	Neon + quenching admixture	700 D.C.	in excess of 180 volts	10% per 100 volts max.	150 micro-seconds	75 counts per minute max.
153C	Argon + quenching admixture	1500 D.C.	in excess of 400 volts	3% to 8% per 100 volts	150 micro-seconds	60 counts per minute max.
200C	Argon + quenching admixture	1200 D.C.	in excess of 300 volts	5% to 10% per 100 volts	200 micro-seconds	50 counts pe minute max.
200CB	Argon + quenching admixture	1200 D.C.	in excess of 300 volts	5% to 10% per 100 volts	200 micro-seconds	50 counts pe minute max.
200N	Neon + quenching admixture	700 D.C.	in excess of 200 volts	5% to 10% per 100 volts	200 micro-seconds	50 counts pe minute max.
200NB	Neon + quenching admixture	700 D.C.	in excess of 200 volts	5% to 10% per 100 volts	200 micro-seconds	50 counts pe minute max.
230N	Neon + quenching admixture	850 D.C.	in excess of 150 volts	Less than 15% per 100 volts	100 micro-seconds	15 counts pe minute max.
240C	Neon + quenching admixture	1200 D.C.	in excess of 200 volts	Less than 10% per 100 volts	100 micro-seconds	50 counts pe minute max.
240N	Neon + quenching admixture	850-900 D.C.	in excess of 150 volts	Less than 15% per 100 volts	100 micro-seconds	50 counts pe minute max.
912NB*	Neon + quenching admixture	900 D.C.	in excess of 200 volts	10% per 100 volts max.	100 micro-seconds	75 counts pe minute max.

NOTE: All cathodes are stainless steel.
Life expectancy unlimited by use.
Operating temperature range, -55°C to +75°C.

Average Mica Window or Wall Thickness	Effective Dia. of Mica Window	Effective Cathode Dimensions (Inches)	Max. Overall Tube Dimensions (Inches)	Application	TYPE NO.
150 mg/cm²	—	2-11/16 long x 5/8 O.D. x .009" Wall	5/8 x 4-3/8	Gamma	75N-7 ‡
150 mg/cm²	—	2-11/16 long x 5/8 O.D. x .009" Wall	5/8 x 4-5/16 (3 Pin Base)	Gamma	75NB3-7‡
30-40 mg/cm²	—	3 long x 5/8 O.D.	5/8 O.D. x 5-5/8 (3 Pin Base)	Beta & Gamma	90NB
.0005 in. = 3.5 mg/cm² = 12.70 microns	1-3/32"	1-1/2 lg. x 1-3/16 O.D. x 3/32 Wall	1-1/2 x 3-3/4	Beta & X-Ray	100C
.0005 in. = 3.5 mg/cm² = 12.70 microns	1-3/32"	1-1/2 lg. x 1-3/16 O.D. x 3/32 Wall	1-3/8 x 4-11/32 (4 Pin Base)	Beta & X-Ray	100CB
.0005 in. = 3.5 mg/cm² = 12.70 microns	1-3/32"	1-1/2 lg. x 1-3/16 O.D. x 3/32 Wall	1-1/2 x 3-3/4	Beta	100N
.0005 in. = 3.5 mg/cm² = 12.70 microns	1-3/32"	1-1/2 lg. x 1-3/16 O.D. x 3/32 Wall	1-3/8 x 4-11/32 (4 Pin Base)	Beta	100NB
.0008 in. = 5.6 mg/cm² = 20.32 microns	1-29/32"	2-11/16 lg. x 2 O.D. x 5/64 Wall	2-3/8 x 5-1/8	Beta & X-Ray	120C
.0008 in. = 5.6 mg/cm² = 20.32 microns	1-29/32"	2-11/16 lg. x 2 O.D. x 5/64 Wall	2-3/8 x 5-1/8	Beta	120N
.0008 in. = 5.6 mg/cm² = 20.32 microns	1-29/32"	2-11/16 lg. x 2 O.D. x 5/64 Wall	2-5/16 x 5-3/4 (4 Pin Base)	Beta	120NB
.0005 in. = 3.5 mg/cm² = 12.70 microns	25/32"	4 lg. x 7/8 O.D. x 3/64 Wall	1 x 6-5/8 (4 Pin Base)	Beta & Gamma	150N
.0005 in. = 3.5 mg/cm² = 12.70 microns	25/32"	4 lg. x 7/8 O.D. x 3/64 Wall	1-5/32 x 7-1/8	Beta & Gamma	150NB
.0005 in. = 3.5 mg/cm² = 12.70 microns	25/32"	4-3/8 lg. x 7/8 O.D.	1 O.D. x 6 lg.	X-Ray	153C
.0002 in. = 1.4 mg/cm² = 5.08 microns	1-3/32"	1-1/2 lg. x 1-3/16 O.D. x 3/32 Wall	1-1/2 x 3-3/4	Alpha, Beta, Gamma & X-Ray	200C
.0002 in. = 1.4 mg/cm² = 5.08 microns	1-3/32"	1-1/2 lg. x 1-3/16 O.D. x 3/32 Wall	1-3/8 x 4-11/32 (4 Pin Base)	Alpha, Beta, Gamma & X-Ray	200CB
.0002 in. = 1.4 mg/cm² = 5.08 microns	1-3/32"	1-1/2 lg x 1-3/16 O.D. x 3/32 Wall	1-1/2 x 3-3/4	Alpha & Beta	200N
.0002 in. = 1.4 mg/cm² = 5.08 microns	1-3/32"	1-1/2 lg. x 1-3/16 O.D. x 3/32 Wall	1-3/8 x 4-11/32 (4 Pin Base)	Alpha & Beta	200NB
.0002 in. = 1.4 mg/cm² = 5.08 microns	13/32"	1-1/4 lg. x 5/8 O.D. x .010" Wall	5/8 x 3-1/4 (3 Pin Base)	Alpha & Beta	230N
.0002 in. = 1.4 mg/cm² = 5.08 microns	13/32"	4 lg. x 5/8 O.D. x .010" Wall	5/8 x 5-7/8 (3 Pin Base)	Alpha, Beta & Gamma	240C
.0002 in. = 1.4 mg/cm² = 5.08 microns	13/32"	4 lg. x 5/8 O.D. x .010" Wall	5/8 x 5-7/8 (3 Pin Base)	X-Ray	240N
30-40 mg/cm²	—	7 lg. x 5/8 O.D.	5/8 O.D. x 11-25/32 (4 Pin Base)	Beta & Gamma	912NB*

‡Also available in 600 volt operating voltage. Specify Type 75N-6 or 75NB3-6. For 900 volt operation, specify Type 75N-9 or 75NB3-9.

□Detailed catalogue available upon request.

*Also available with 3 Pin Base, specify Type 912NB-3. Overall tube length = 11-3/8".