

ONE BUSHING

## ACCURACY CLASS:

0.3 WXMYZ 1.2 ZZ at 100\% rated voltage with 120 V based ANSI burden.
0.3 WXMY, 1.2 Z at $58 \%$ rated voltage with 69.3 V ANSI burden.

FREQUENCY:
60 Hz .
MAXIMUM SYSTEM VOLTAGE:
Model PT7-1-150
36.5 kV, BIL 150 kV .

Model PT7-1-200
36.5 kV, BIL 200 kV .

THERMAL RATING:
1500 VA at $30^{\circ} \mathrm{C}$ amb.
1000 VA at $55^{\circ} \mathrm{C}$ amb.
WEIGHT:
Approximate weight 140 lbs .


Terminal Designed to Accept Primary Terminal Lead Assembly 0843 A09154 (See Following Page)
** Consult factory for 200kV BIL catalog numbers.

| Leveceed | GROUP | PRIMARY VOLTAGE (a) | RATIO | SECONDARY VOLTAGE | ** 150 kV BIL CATALOG NUMBERS | $R_{\text {FR }}$ <br> (b) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 4A | 15240 | 127:1 | 120 | PT7-1-150-SD01967 | 80 ohms |
|  | 4A | 15600 | 130:1 | 120 | PT7-1-150-SD03259 | 80 ohms |
|  | 4A | *16800 | 140:1 | 120 | PT7-1-150-SD02381 | 80 ohms |
|  | 4A | 19920 | 166:1 | 120 | PT7-1-150-SD01620 | 80 ohms |
|  | 4A | *20125 | 175:1 | 115 | PT7-1-150-2012A | 80 ohms |
|  | 4B | 24000 | 200:1 | 120 | PT7-1-150-SD03289 | 50 ohms |
|  | 4B | 26400 | 220:1 | 120 | PT7-1-150-SD02085 | 50 ohms |
|  | 4B | 27000 | 225:1 | 120 | PT7-1-150-SD03158 | 50 ohms |
|  | 4 B | 27600 | 240:1 | 115 | PT7-1-150-SD03449 | 50 ohms |
|  | 4B | 34500 | 300:1 | 115 | PT7-1-150-SD01617 | 50 ohms |

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## Models PT7-1-150 \& PT7-1-200 ANSI Groups 4A \& 4B

(a) Also available are other ratios and frequencies, double secondaries and units meeting IEC 44-2 rated voltage factors of 1.50 or 1.90 .
(b) Voltage transformer connected line-to-ground cannot be considered to be grounding transformers and must not be operated with the secondaries in closed delta because excessive currents may flow in the delta. Transformers may be connected line-to-neutral on a system rated 25,000 volts ground wye.
(c) See page 32, item 1 for ferroresonance considerations.

Note: It is recommended that the system line-to-line voltage not exceed transformer maximum system voltage level.

- Primary terminals for 150 kV BIL units are 3/8-16 brass screws with one flatwasher and lockwasher.
- Secondary terminals are 1/4-20 brass screws with one flatwasher and lockwasher.
- The core and coil assembly is vacuum encapsulated in polyurethane resin.
- A primary fuse is not supplied, but is recommended. Use a $34.5 \mathrm{kV}, 0.5 \mathrm{E}$ rated fuse.
- A test card is provided with each unit.


- 10-32 threaded connector, insulating boot, and lead wire included
- Lead wire is No. 10 AWG rated 600 volt only
- Lead clearances shown below for PT7-1-200 must be maintained
- 36 inches long unless specified otherwise


## RECOMMENDED MINIMUM SPACINGS

PT7-1-150 (Customer supplied leads must be directed away from the transformer) A = Unit to Unit = $1.75^{\prime \prime}$ minimum $B=H V$ to Ground in Air $=11.50^{\prime \prime}$ minimum


PT7-1-200 (Leads must be directed away from the transformer) $A=$ Lead to Lead $=14.00^{\prime \prime}$ minimum
$B=$ Lead to Ground in Air $=14.00^{\prime \prime}$ minimum


Recommended spacings are for guidance only. User needs to select appropriate values to assure performance for high potential testing, impulse testing, high humidity, partial discharge, high altitude, specific configurations and other considerations.



[^0]:    NOTE: All primary voltages marked with an asterisk (*) are approved for revenue metering in Canada by industry Canada, Approval No. AE-0677 Rev. 1

