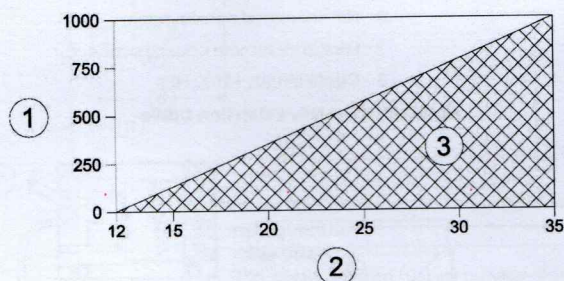


2. Receiver
3. Cable shield
4. Transmitter
5. Extension cable
6. Recommended wiring is shielded, twisted-pair, 1.0 mm (18 AWG) (part number 02173006). Maximum length is 13 km (8 miles).
7. Power supply, $V_{PS} = 17$ to 35 Vdc
8. Common (ground)
9. Probe

Figure 7: 990 Vibration Transmitter Loop Wiring Connections

 The phase of the PROX OUT signal is inverted from the standard for Bently Nevada products. Also, connecting grounded AC-powered equipment to PROX OUT may result in a false alarm. Use test adapter 122115-01 to connect AC equipment to the transmitter. Note that the 122115-01 also inverts the PROX OUT signal.



1. Maximum loop resistance in ohms (R_{LOOP})
2. Power supply voltage (V_{PS})
3. Operating region

Figure 8: 990 Vibration Transmitter Maximum Loop Resistance

 $R_{LOOP} = 43.5 \times (V_{PS} - 12)$ W maximum. If the maximum loop resistance is exceeded, then the full-scale current does not reach 20 mA.