

Required Tools and Test Equipment

The following tools and test equipment are required in order to install the *IsoTropic Networks* VSAT product:

- Complete Tool Kit -
 - including a full complement of screwdrivers (flat & Phillips), wrenches (open-ended, adjustable, Allen), pliers, sockets (3/8" & 1/2" drive, up to 1-1/2" opening), saws (hack, wood, keyhole), hammers, knives, drill & bits, cold chisel, ruler, etc.
- Torque Wrench (4 - 175 Ft.-Lbs)
- Digital Volt Meter (DVM)
- Spectrum Analyzer with DC block & F/BNC adapter (Avcom PSA-33A or equivalent)
- Divider, 2-Way, DC Pass, F Type, to 2200 MHz
- Laptop Computer
 - Windows 2000 Professional or XP (**Required**)
 - 133 MHz or higher Pentium-compatible CPU
 - 64 MB RAM
 - 2 GB hard drive with 650MB free space
- Ethernet card
 - PCMCIA-compatible to support 10/100 BaseT plus 56k modem connections (e.g., Xircom Realport, LAN/Modem, Type III)
- NetModem II Port Com Cable Adapter, RJ-45 to DB-9, 6' (2M)
- Crimp Tool for RG-6 and RG-11 (CablePrep HCT-775 & HCT-116)
- Ethernet Cables, straight and null-modem, 6' (2M)
- RS-232 Cables, straight and null-modem, 6' (2M)
- DB-9 to DB-25 adapter
- Extension cords, 2ea., 100' (30M)
- Extension Ladder, 24' (8M)
- Heat Gun
- Hammer Drill with standard bits + 3/4" (19mm) x 18" (457mm) concrete bit
- Rope
- Compass
- Inclinometer
- Protractor, Magnetic
- Bubble Level - Magnetic
- Pole, telescoping, 12' (4M)
- Flat shovel
- Stiff Broom
- Tape Measure
- Cable Stripper
- Mobile Phone
- Coaxial Test Cables, 2 each, 10' (3m)
- Expendables:
 - Silicone Grease
 - RTV Sealant
 - Black CableTies - Assorted lengths

*** In addition, a bucket truck should be readily available