



J & S Instruments, Inc.

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JS-300 CELLULAR PHONE/MODEM PACKAGE DATA SHEET

The JS-300 Cellular Phone/Modem Package is specially assembled for use with data transmission systems. This package consists of a Motorola^R cellular telephone modem, 10" whip antenna with clamp style mount, and handset. This system is designed for use in remote locations where local land line telephone communications is not available. It is particularly designed for use with the Data Electronics Datataker Data Logger. It operates off of a 13.7 VDC power supply commonly used in remote locations as is capable of being supplied by solar power panel systems. The Datataker RS232 output directly attaches to this integrated single package. The unit attaches to its antenna via a five foot cable with a MicroTAC^R connector for high quality signal coupling. The entire system is powered from a common user provided power supply such as the J & S Instruments, Inc. PS-12 Power Supply or SPP-30 Solar Power Package. A removable handset is also provided with this system for use as a standard cellular phone so that the package can be used in the field by technicians. This package is designed to be located in a protected environment such as a JS-500 series NEMA 4 enclosure or a building. For more remote locations, a selection of Yagi directional antennas and tripod masts are available.

The user is responsible for the cellular phone activation and pre-installation site testing for cellular phone service.

SPECIFICATIONS: Transmit Power: 3 Watts (FCC maximum)
Antenna Connection: MicroTAC connector
Power: 13.7 VDC
Current: transmit/receive = 1.6 A
standby = 0.27 A
Operating Temperature: -30° C to 140° C
Antenna: 10" whip w/ 5' cable for clamp mounting
Data Rate: 2400, 1200, 600 or 300 bps
RS232 Interface: standard DB9
Handset Interface: RJ45
Error Correction: MNP4, V.42
Data Compression: MNP5, V.42bis
Number of Channels: 832
Size: 3.4" x 8.4" x 2.0"

OPTIONS: JS-305 Yagi Directional Antenna (6 element - 11 dB gain)
JS-310 20' Cable Assembly (MicroTAC to Yagi "N")
JS-315 10" Whip Antenna w/ clamp mount & 5' cable
JS-320 10" Whip Antenna w/ magnetic mount & 5' cable

The JS-300 Cellular Phone/Modem Package and accessories come complete with a full one year warranty against defects in materials or workmanship.