

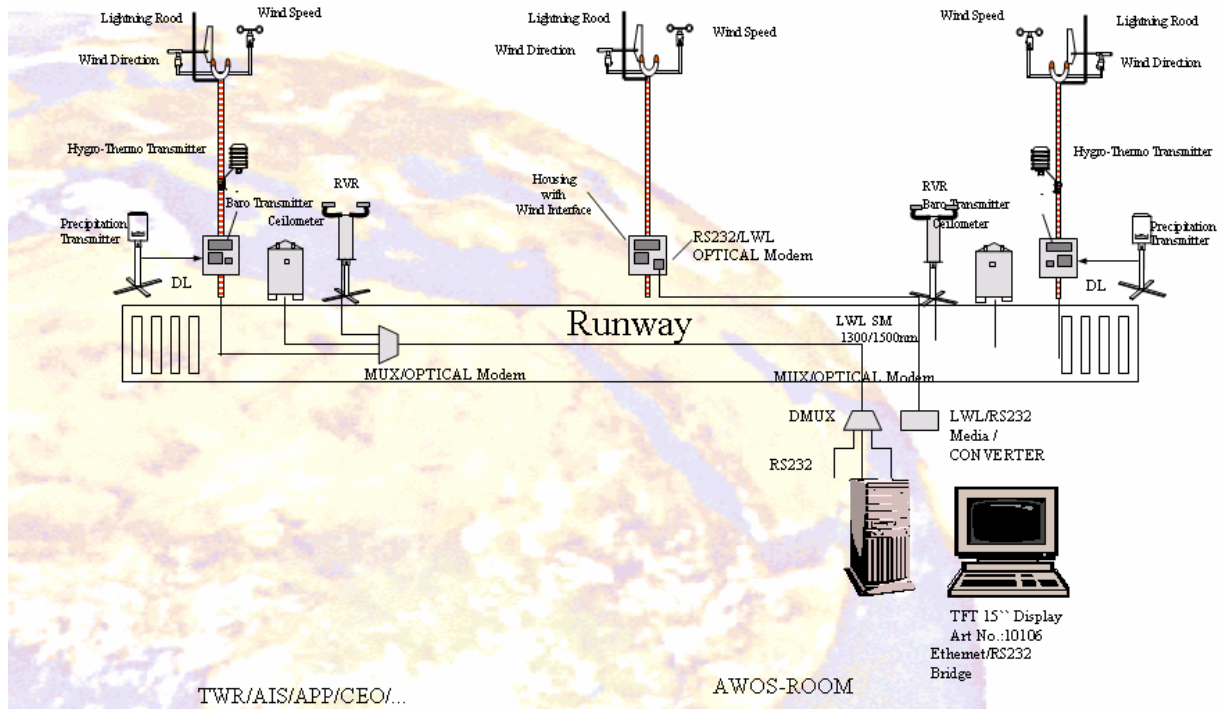


BECKER WEATHER EQUIPMENT

The world Weather Data

BECKER
AVIONIC SYSTEMS

Airport AWOS



Weather Equipment System WS 7300

The Becker WS7300 is based on reliable and proven display and processor technology made by Becker since many years, approved sensors and Becker's knowledge as system integrator for ATC systems and subsystems.

The WS7300 is a modular system, which can be configured from a single Pressure/Wind/Temperature /Time system to a dual fail-safe system with several Pressure/Wind/Temperature sensors, RVR and cloud ceiling sensors.

The WS7300 always features in addition to a full color display, automatic voice output, real time remote

maintenance via GSM or CPDP infrastructure (option), with automatic weather output to the Internet. With its integrated GPS module – which it uses for timing – it also monitors GPS performance. It has an integrated

data recorder and can be connected to local area networks via Ethernet.

The WS7300 is aimed to operated at airports of any size. Due to its modular concept it can be configured for operations on small-unmanned airports or integrated in large control towers.

The hardware is based on the aviation proven AirScout

Becker Electronics Taiwan Ltd.



BECKER WEATHER EQUIPMENT

Voyager which integrates a 64bit processor, a full color display, a GPS sensor and a GSM or a CPDP data link module.(option) The software is written according aviation standards (DO178B). The operating system used is Becker's own MOS designed and written to be compliant with aviation standards (DO178B). The software is as modular as the hardware and allows certain adaptation for particular installations.

For large systems the GSM/CPDP (option) module provides the backup for the lines which connect the remote sensors to the central system. This technology can also be used to provide pre-departure data to aircraft equipped with the corresponding data link modules.

TECHNICAL DATA

Hardware:

Processor board:

Processing WS7300.001

CPU: Lower power consumption: Geode "GX1 300MHZ.

System memory: 64 MHz DIMM Socket SDRAM

Hard disc driver: 2.5" Hard disc

CD-R/W

Power supply: 90 VAC to 260VAC, 47 Hz to 63 Hz.

Input Current: 2A @ 115V AC

Operating temperature: 0 to 60 degree Celsius.

Storage temperature: -10 to 70 degree Celsius.

Relative humidity: 5 ~ 95%

MTBF: 50,000 Hrs.

Diminution: 335 X 255 X 62 mm

The equipment could be integrated into 19"

Peripherals: (option)

Keyboard / mouse / Printer / Monitor

Keyboard: Becker700110

Mouse: Becker700130

Printer: Dot matrix or laser printer

Monitor: 15" or 17" RGB display

Communication Module: GSM or CPDP modem

Sensor: (Option)

Wind Dir 4.3303.00.000

Wind Speed 4.3121.10.000

Pressure 3.1158.00.073

Interface 9.5027.00.200

GPS module.

Ceilometer BECKER8339

RVR BECKER8364

GSM module

Thermo-Hydrometer 1.1005.50.515

Protection Case 1.1025.51.000

Precipitation BECKER611B

Optical Interface WS7300.002

Software Structure

