



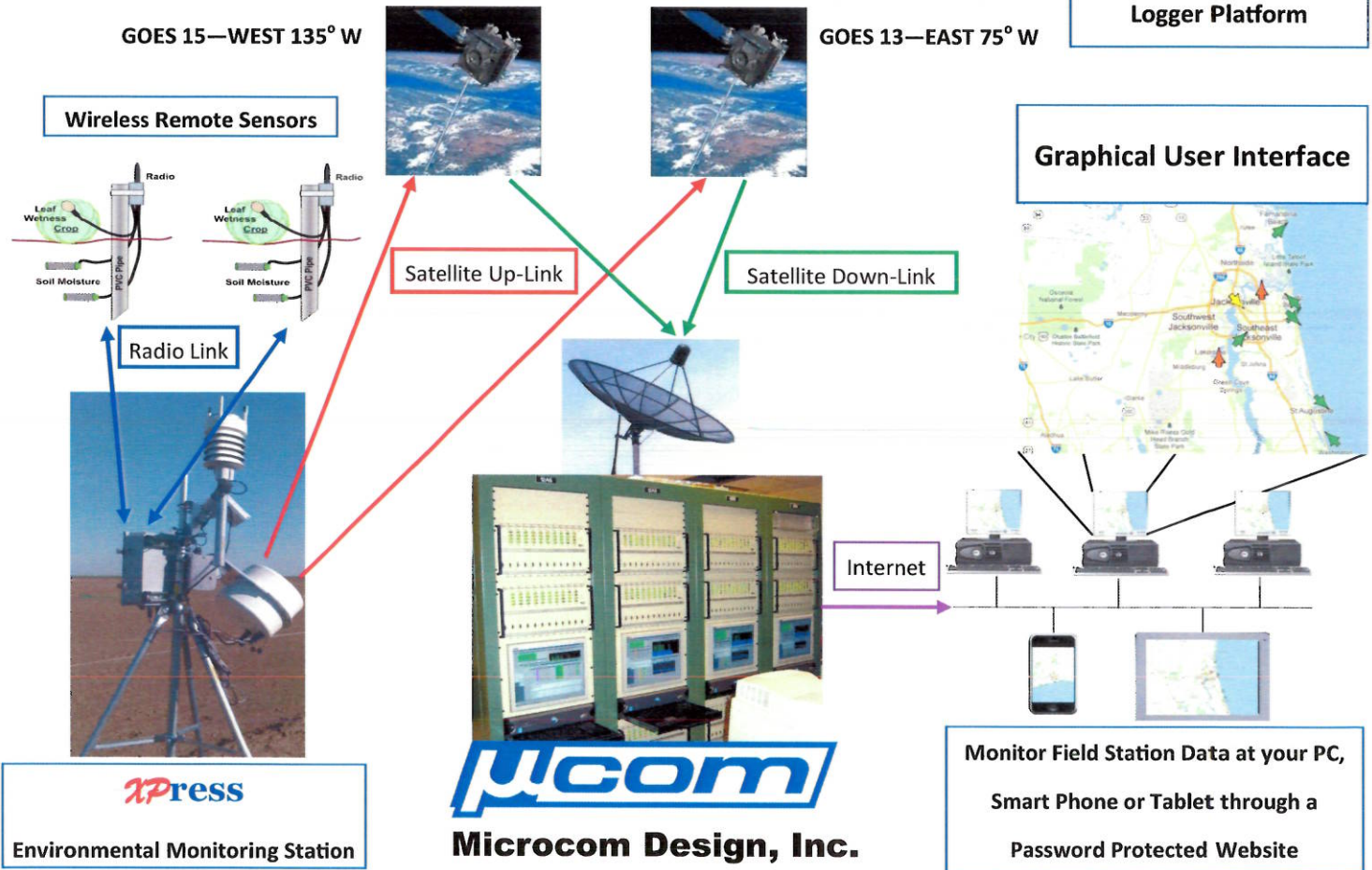
xpress

Integrated GOES Satellite Transmitter/Logger Data Collection Platform

- ◆ Meteorology, Agriculture, Hydrology, Emergency Management
- ◆ Includes Integral Battery and Solar Charging System
- ◆ Proven Satellite Transmitter for Remote Locations without Power or Communications in both North & South America
- ◆ Data Delivered in Near Real Time Over the Internet, DGRS, or LRIT
- ◆ Accommodates RS-232, SDI-12, and/or Tipping Bucket Inputs
- ◆ IP66 Housing, UV Resistant
- ◆ Universal Mounting Kit for a Standard 2" Pipe or Tripod
- ◆ Integrated GPS for Clock Synchronization
- ◆ Extremely Low Power Consumption (<.05 Watts/Hourly Transmit)



xpress
Satellite Transmitter/
Logger Platform



xpress — METEO

Parameter	Prop-Vane	Ultrasonic
Wind Speed:	m/s (mph)	m/s (mph)
Range:	0-100 (224)	0-60 (134)
Start Speed:	1 (2.2)	0.01 (0.022)
Accuracy:	+/- 0.3 (0.66)	+/- 2% of reading
Resolution:	0.1 (0.22)	0.01 (0.022)
Dir Threshold:	0.1 (0.22)	0.01 (0.022)
Wind Direction	degrees	degrees
Range:	0-355	0-359
Accuracy:	+/- 3	+/- 3
Resolution:	0.1	1
Environmental:		
Temperature:	-50°C to +50°C	-35°C to +70°C
Package:	IP65	IP65
Physical:		
Size:	22" x 15" x 7"	6" x 6" dia
Weight:	2.3 kg (5 lbs)	0.5 kg (1 lbs)
Reliability:	years	years
MTBF	7	15
Maintenance	2 prop / 4 dir	Indefinite



xpress — AGRO

Specifications:

Compatibility: GOES, METEOSAT, and GMS

Air Temperature: -52 ... +60 °C ±0.7 °C

Barometer: 600 ... 1100 hPa ± 1 hPa

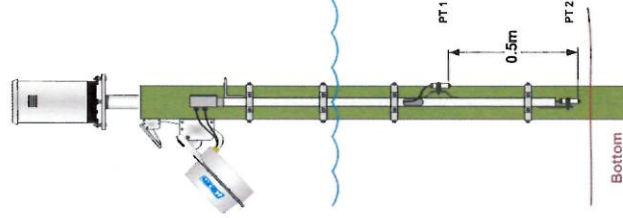
Wind Speed: 0 ... 60 m/s
±0.3 m/s or ±3% (0-35 m/s)
±5% (36-60 ms)

Wind Direction: 0 ... 360° ±3°

Humidity: 0 ... 100 %RH ±3% (0-90), 5%

Precipitation: 0.01 mm resolution
5% daily accumulation accuracy

Solar Radiation: 0 ... 3000 watts/m² ±5%



xpress — HYDRO

Specifications:

Tipping Bucket

Orifice Size: 200 cm2 (6.25" diameter)

Resolution: 0.2 mm (0.01") tip

Max Rate: 700 mm/hr (27"/hr)

Accuracy: 1% ≤ 32 mm/hr
2% 50 — 100 mm/hr
3% 100 — 300 mm/hr

Operating Temp: -20°C - 70°C

Weight: 4 kg (9 lbs)

Size: 7"D x 13"H

Sensing Method: switch closure

Water Level

Range: 5—100 M

Accuracy: ±0.05% full scale

Stability: ±0.02% Full scale/yr

Resolution: full scale/65,000

Over Pressure: 2x full scale

Temp Range: -10°C — 80°C

Sonde: 0.8"D x 4"L



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