

자동 기상 측정기

대기 | 실내 | 작업환경 | 기상

Automatic Weather Station



Model : **ELO 305**

용도

Applications

- 풍향, 풍속, 온도, 습도, 강우량, 기압, 일사량 등 기상 항목의 연속 자동 측정

특징

Features

- 다양한 Signal Input으로 다양한 종류의 Sensor를 연결 사용 가능
- 설치 장소에서 모든 데이터를 화면으로 확인 가능
- 모든 운전 조건은 현장이나 또는 PC에서 입력 및 변경 가능
- 평균값, 최대최소값, 표준편차, 풍향 분포도 등 거의 모든 데이터의 자동 저장 및 출력
- Windows용 Software로 다양한 도표 및 그래프 출력 가능
- 유·무선 통신 및 Solar Panel 선택 가능

SPECIFICATIONS

Data Logger/Controller

Temporary Data Memory	STATIC-RAM 64Kb
Mass Data Memory	Memory card size from 64Kb to 2Mb
Program Memory	EPR0M 256 Kb
Program Memory Data	RAM-96Kb
Configuration Memory	EEPR0M 32Kb

Display	80 char. 4 line LCD
A/D Converter	±12bits
Processors	2×80C32
Clock Frequency	11Mhz
Internal Clock	1 minute/month precision
	Equipped with rechargeable backup battery(3 month life)
Acquisition Rate	Programmable for each sensor from 1 sec to 12 hours
Acquisition Duration	0.5 sec/input
Data Output	RS-232(RS-485/optional)
Transmission Speed	1200 →19200 bit
Average Standby Consumption	10mA : (70mA)
Actuators Output	10~14Vcc/Vdc. I _{max tot} : 0.3Amp
Protection	IP65
Environmental Limits	-25~+60 °C
Power supply	24Vca/12Vcc /excluding 'rack models"
Over Voltage Protection on Power Supply	Main filter, gas discharger, varistor, Zener diodes
Over Voltage Protection on Sensor Inputs	1.5KW(1ms)transorb

CONFIGURATIONS

Data Logger (1 set)	ELO 305 11 inputs, Power Supply 24 Vca for MGO558 battery Mounting for BabucABC 40x40x20cm case version to meteo pole φ50mm Additional External Pb 15 Ah Battery mounted inside data logger case Memory Card RAM 256Kb Normal Field RS232 Cable L=5. 9pins for connection BAB-ABC/PC
Power pack (1 set)	Power Pack 220Vac/24Vac, 50W, Connection by terminals Mounting for DEA252 on Meteo Poles φ50mm
Solar panel (1 set)	Solar Panel 20W Regulator for DYA100 Mounting for Solar Pannel DYA100 on meteo pole φ50mm
InfoGap PC program (1 set)	IG-ADVANCED PC program for BabucABC Remote & Automatic Communication module
Wind speed & direction sensor (1 set)	CombiSD Combined Wind Speed & Direction Sensor Rotor for CombiSD Sensor Flag for CombiSD Sensor Cable L=10m. for CombiSD
Temperature & humidity sensor (1 set)	T°C +RH% Probe for BabucABC, cable L. 10m Radiant shield for DMA572 Collar for Fitting Thermo-hygrometers to Meteo Pole φ5cm
Pressure sensor (1 set)	CX111P Barometer 800-1100hPa(built in BabucABC Case) 0 ~ 300mV/12Vdc
Global radiation sensor (1 set)	C102R-GLB Photovoltaic Global Radiometer, Cable 10m Support for C102RGLB to DYA051 Collar for Fitting DYA032 to Meteo Pole φ5cm
Rain gauge (1 set)	C100A Rain Gauge 333 sq.cm inlet Area, Cable L=10m. Cross-type Support for Rain Gauges to the Top of Meteo Poles φ5cm Lateral support for rain gauge on meteo pole
Stainless steel pole, φ5cm with tie-rods (1 set)	Meteo pole H=3m. φ50mm with central cable hole Base for meteo poles φ50mm fitted onto cement plinth Collar to joint DYA028 tie-rods to meteo poles φ50mm Set of n.3 tie-rods for meteo poles Set of n.3 pickets for DYA028
Telephone modem (1 set)	BabucABC teleph.modem, 2400Bps, standard Hayes, 12Vdc PC teleph.modem 9600Bps, standard Hayes, 220Vac