



UNISOURCE®

CATÁLOGO DE
REGISTRADORES PARA

AMBIENTES
A LA INTEMPERIE

Encuétranos en:



UNISOURCE INGENIERIA LTDA.

www.unisource.cl

Data Logger U23 Pro v2

Temperatura, RH y punto de rocío

Los Dataloggers ProV2 estan diseñados para uso en interperie.

Sumergible solo sonda en agua dulce 50°C

Intervalo Registro 1 seg / 18 horas

Indicación batería baja

Tipos:

U23-001 Sin cable

U23-002 Un cable PVC 184cm /diametro sensor 1cm

U23-003 Dos cables PVC 184cm / diametro sensor 0,5cm

U23-004 Un cable PVC 184cm / diametro sensor 0,5cm

Sensores Temperatura

Internos -40° a 70°C

Externa U23-002 -40° a 70°C

Externo U23-003 y 004 : -40° a 100°C con immersion de punta de cable en agua dulce 50°C



Minimum System Requirements:



Software



Base Station¹



Coupler²

Part number	U23-001 ² (Internal Temp/RH)	U23-002 ² (External Temp/RH)	U23-003 (2x External Temp)	U23-004 (Temp/External Temp)
Memory	42,000 measurements			
Sampling rate	1 second to 18 hours, fixed rate or multiple logging intervals			
Battery life	3 years typical, user-replaceable, 1/2 AA lithium			
	Internal Temperature			
Measurement range	-40° to 70°C (-40° to 158°F)			
Accuracy	± 0.21°C over 0° to 50°C (± 0.38°F over 32° to 122°F)			
Resolution (12-bit)	± 0.02°@ 25°C (± 0.04°@ 77°F)			
Stability (drift)	< 0.1°C (0.18°F) per year			
	Relative Humidity (U23-001 & U23-002 only)			
Measurement range	0 to 100% RH, -40° to 70°C (-40° to 158°F)			
Accuracy	±2.5% from 10%RH to 90%RH typical to a maximum of ±3.5% including hysteresis at 25°C (77°F); below 10%RH and above 90%RH ±5% typical			
Resolution (12-bit)	0.05%RH			
	External Temperature			
Measurement Range	U23-002: -40° to 70°C (-40° to 158°F), U23-003 & U23-004: -40° to 100°C (-40° to 212°F) with sensor tip and cable immersion in fresh water up to 50°C (122°F) for one year			
Accuracy	± 0.21°C from 0° to 50°C (± 0.36°F from 32° to 122°F)			
Resolution	0.02°@ 25°C (0.04°@ 77°F)			
Dimensions	Housing measures 10.2 × 3.8 cm (4.0 × 1.5 in.)			
CE compliant				Yes

Registadores de datos HOBO serie U23, para monitoreo de Temperatura y Humedad Relativa para ambientes al aire libre.



Data Logger
Temperatura y HR

U23-001



Data Logger
Temperatura y HR

U23-002



Data Logger
Temperatura

U23-003



Data Logger
Temperatura

U23-004

Data Logger Bluetooth serie MX2300 Temperatura y Humedad Relativa

Cubriendo una amplia gama de monitoreo al aire libre, desde la investigación agrícola hasta la ecología y estudios forestales. La serie incluye modelos de sensores internos que son resistentes y fáciles de implementar.



Características Destacadas

- ✓ Carcasa resistente a la intemperie para uso en ambientes exteriores o de condensación
- ✓ Mediciones de alta precisión.
- ✓ El sensor RH proporciona una recuperación superior de las condiciones de condensación
- ✓ Versiones externas de pequeño diámetro para mediciones en espacios reducidos
- ✓ Configuración inalámbrica y descarga con Bluetooth Low Energy (BLE)



Part number	MX2301 (Internal Temp/RH)	MX2302 (External Temp/RH)	MX2303 (2x External Temp)	MX2304 (External Temp)	MX2305 (Internal Temp)
Temperature Sensor					
Range	-40 to 70°C (-40 to 158°F)		-40 to 100°C (-40 to 212°F) with tip and cable immersion in fresh water up to 50°C (122°F) for one year		-40 to 70°C (-40 to 158°F)
Accuracy	±0.25°C from -40 to 0°C (±0.45 from -40 to 32°F) ±0.2°C from 0 to 70°C (±0.36 from 32 to 158°F) ±0.25°C from 70 to 100°C (±0.45 from 158 to 212°F), MX2303 and MX2304 only				
Resolution	0.04°C (0.072°F)				
Drift	<0.01°C (0.018°F) per year				
Relative Humidity Sensor (MX2301, MX2302 only)					
Range	0 to 100% RH, -40° to 70°C (-40° to 158°F); exposure to conditions below -20°C (-4°F) or above 95% RH may temporarily increase the maximum RH sensor error by an additional 1%				
Accuracy	±2.5% from 10% to 90% (typical) to a maximum of ±3.5% including hysteresis at 25°C (77°F); below 10% RH and above 90% RH: ±5% typical				
Resolution	0.05%				
Drift	<1% per year typical				
Logger					
Memory	128 KB (84,650 measurements, maximum)				
Operating Range	-40° to 70°C (-40° to 158°F), IP67 and NEMA#6				
Transmission Range	Approximately 30.5 m (100 ft) line-of-sight				
Logging Rate	1 second to 18 hours				
Dimensions	Logger housing: 10.8 x 5.08 x 2.24 cm (4.25 x 2.0 x 0.88 in.)				
Mobile Device Compatibility	iOS 8.3, 8.4 & 9.0, and Bluetooth 4.0 or later				
CE compliant	Yes				

**Registadores de datos HOBO serie MX2300
Bluetooth para monitoreo de Temperatura y
Humedad Relativa para ambientes al aire libre.**



Data Logger
Temperatura y HR

MX2301



Data Logger
Temperatura y HR

MX2302



Data Logger
Temperatura

MX2303



Data Logger
Temperatura

MX2304



Data Logger
Temperatura

MX2305

Data Logger serie MX23 Temperatura y humedad (Bluetooth)

Con los nuevos registradores Temp / RH de la serie HOBO MX2300 de Onset puede configurar y descargar los registradores de forma inalámbrica desde su dispositivo móvil, eliminando la necesidad de llevar al campo una computadora portátil o un transbordador de datos. Sonda sumergible solo en agua dulce.

Ventajas:

- Carcasa resistente a la intemperie para su uso en entornos a la intemperie o de condensación
- Mediciones de alta precisión
- Versiones de sensor externo con diámetro pequeño para mediciones en espacios reducidos
- Configuración inalámbrica y descarga con Bluetooth Low Energy (BLE)

Minimum System Requirements:



Part number	MX2301 (Internal Temp/RH)	MX2302 (External Temp/RH)	MX2303 (2x External Temp)	MX2304 (External Temp)	MX2305 (Internal Temp)
Temperature Sensor					
Range	-40 to 70°C (-40 to 158°F)		-40 to 100°C (-40 to 212°F) with tip and cable immersion in fresh water up to 50°C (122°F) for one year		-40 to 70°C (-40 to 158°F)
Accuracy	±0.25°C from -40 to 0°C (±0.45 from -40 to 32°F) ±0.2°C from 0 to 70°C (±0.36 from 32 to 158°F) ±0.25°C from 70 to 100°C (±0.45 from 158 to 212°F), MX2303 and MX2304 only				
Resolution	0.04°C (0.072°F)				
Drift	<0.01°C (0.018°F) per year				
Relative Humidity Sensor (MX2301, MX2302 only)					
Range	0 to 100% RH, -40° to 70°C (-40° to 158°F); exposure to conditions below -20°C (-4°F) or above 95% RH may temporarily increase the maximum RH sensor error by an additional 1%				
Accuracy	±2.5% from 10% to 90% (typical) to a maximum of ±3.5% including hysteresis at 25°C (77°F); below 10% RH and above 90% RH: ±5% typical				
Resolution	0.05%				
Drift	<1% per year typical				
Logger					
Memory	128 KB (84,650 measurements, maximum)				
Operating Range	-40° to 70°C (-40° to 158°F), IP67 and NEMA#6				
Transmission Range	Approximately 30.5 m (100 ft) line-of-sight				
Logging Rate	1 second to 18 hours				
Dimensions	Logger housing: 10.8 x 5.08 x 2.24 cm (4.25 x 2.0 x 0.88 in.)				
Mobile Device Compatibility	iOS 8.3, 8.4 & 9.0, and Bluetooth 4.0 or later				
CE compliant	Yes				

Data Logger UA Pendant Temperatura /Luz /Aceleración

Es un registrador de un solo canal, impermeable y en miniatura. Los LED de alarma parpadean si las temperaturas han excedido los niveles establecidos por el usuario.

Características destacadas

- ✓ Temperatura de bajo costo con indicación de alarma o intensidad de luz
- ✓ Carcasa impermeable para uso húmedo o subacuático
- ✓ Lectura de datos en menos de 30 segundos a través de una interfaz USB óptica rápida
- ✓ Opera en ambientes interiores, exteriores y bajo el agua.



Minimum System Requirements:



Part number	UA-001-08	UA-001-64	UA-002-08	UA-002-64	UA-004-64
Memory (measurements)	6,500 temp	52,000 temp	3,500 temp & light	28,000 temp & light	64,000 accel 32,000 tilt 21,333 motion
Sample rate	1 second to 18 hours, user-selectable				100 per second
Battery life	1 year typical, user-replaceable, CR2032				
Water Depth Rating	30 m from -20 to 20°C (100 ft from -4° to 68°F)				
	Temperature				
Measurement range	-20° to 70°C (-4° to 158°F) in air, -20° to 50°C (-4° to 122°F) in water				
Accuracy	± 0.53°C from 0° to 50°C (± 0.95°F from 32° to 122°F)				
Resolution (10-bit)	0.14°C @ 25°C (0.25°F @ 77°F)				
Response time	10 minutes (to 90% in airflow of 2 m/s), 5 minutes (to 90% in water)				
	Light intensity				
Range	0-323,000 lumens/m2 [0-30,000 foot candles (lumens/ft2)]				
	Acceleration				
Measurement range	± 3 G				
Accuracy	±2.5% FS @ 25°C (77°F)—Factory-calibrated				
Resolution (8-bit)	0.02 G				
	Tilt/Motion				
Measurement range	± 3 G				
Accuracy	±2.5% FS @ 25°C (77°F)—Factory-calibrated				
Resolution (8-bit)	±4.3° @ 90° to ±13° @ 0° and 180°				
Dimensions	5.8 x 3.3 x 2.3 cm (2.3 x 1.3 x 0.9 in)				
CE compliant	Yes				



Data Logger
Temperatura

UA-001-08



Data Logger
Temperatura

UA-001-64



Data Logger
Temperatura y LUZ

UA-002-08



Data Logger
Temperatura y LUZ

UA-002-64



Data Logger
Aceleración e inclinación

UA-004-64

Data Logger Pendant MX2201 Temperatura y MX2202 Temperatura y Luz

Características

- Compactos e impermeables
- Sumergible a 30mts
- Usos en agua dulce y salada.
- Comunicación inalámbrica Bluetooth®
- Funciona con aplicación HOBOMobile gratuita
- LED de alarma

Ítems requeridos:

- HOBOMobile App
- Dispositivo con iOS o Androide y Bluetooth



Temperature Sensor (MX2201 and MX2202)

Range	-20° to 70°C (-4° to 158°F) in air -20° to 50°C (-4° to 122°F) in water
Accuracy	±0.5°C from -20° to 70°C (-4° to 158°F)
Resolution	0.04°C (0.072°F)
Drift	<0.1°C (0.18°F) per year
Response Time	17 minutes typical to 90% in air moving 1 m/s, unmounted 7 minutes typical to 90% in stirred water, unmounted

Light Sensor (MX2202)

Range	0 to 167,731 lux (15,582 lum/ft ²)
Accuracy	±10% typical for direct sunlight (see <i>Light Measurement</i> on page 2 for more details)

Logger

Logger Operating Range	-20° to 70°C (-4° to 158°F) in air
Buoyancy (Fresh Water)	2 g (0.07 oz) positive
Waterproof	To 30.5 m (100 ft)
Radio Power	1 mW (0 dBm)
Transmission Range	Approximately 30.5 m (100 ft) line-of-sight
Wireless Data Standard	Bluetooth Low Energy (Bluetooth Smart)
Logging Rate	1 second to 18 hours
Time Accuracy	±1 minute per month at 25°C (77°F)
Battery	CR2032 3V lithium, user replaceable
Battery Life	1 year typical at 25°C (77°F) with logging interval of 1 minute and Bluetooth Always Off disabled in software. 2 years typical at 25°C (77°F) with logging interval of 1 minute and Bluetooth Always Off enabled in software. Faster logging intervals and statistics sampling intervals, burst logging, remaining connected with the app, excessive downloads, and paging may impact battery life. To ensure proper battery installation, see <i>Battery Information</i> for detailed instructions on replacing the battery.
Memory	96,000 measurements
Full Memory Download Time	Approximately 45 seconds; may take longer the farther the device is from the logger
Wetted Materials	Polypropylene case, EPDM O-ring
Dimensions	3.35 x 5.64 x 1.6 cm (1.32 x 2.22 x 0.63 inches)
Weight	12.75 g (0.45 oz)
CE	The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).
FC	See last page

Minimum System Requirements:



Data Logger Pendant MX2203 Temperatura 400 y MX2204 Temperatura 5000

Características

- Compactos e impermeables
- Sumergible a 122 y 1.524 mts en agua dulce y salada.
- Comunicación inalámbrica Bluetooth®
- Con la aplicación HOBOMobile® puede configurar y descargar los datos de manera fácil en su teléfono o tableta y cargar automáticamente los datos a HOBOLink

Ítems requeridos:

- HOBOMobile app
- Dispositivo con iOS o Androide y Bluetooth



Temperature Sensor

Range	MX2203: -20° to 70°C (-4° to 158°F) in air; -20° to 50°C (-4° to 122°F) in water MX2204: -20° to 70°C (-4° to 158°F) in air; -20° to 50°C (-4° to 122°F) in water, maximum sustained temperature in water 30°C (86°F)
Accuracy	±0.25°C from -20° to 0°C (±.45°F from -4° to 32°F) ±0.2°C from 0° to 70°C (±0.36°F from 32° to 158°F)
Resolution	0.01°C (0.018°F)
Drift	<0.1°C (0.18°F) per year
Response Time	MX2203: 17 minutes typical to 90% in air moving 1 m/s, unmounted; 7 minutes typical to 90% in stirred water, unmounted MX2204: 15 minutes typical to 90% in air moving 1 m/s, unmounted; 4 minutes typical to 90% in stirred water, unmounted

Logger

Logger Operating Range	-20° to 70°C (-4° to 158°F)
Buoyancy (Fresh Water)	MX2203: 3.1 g (0.11 oz) negative MX2204: 7.6 g (0.27 oz) negative
Waterproof	MX2203: To 122 m (400 ft) MX2204: To 1,524 m (5,000 ft)
Water Detection	Water conductivity level of 100 µS/cm or greater necessary for reliable detection of water. Deionized water or water below 100 µS/cm may not be detected. The water conductivity circuit may not reliably detect water that has frozen around the electrodes, i.e. below 0°C (32°F).
Radio Power	1 mW (0 dBm)
Transmission Range	Approximately 30.5 m (100 ft) line-of-sight
Wireless Data Standard	Bluetooth Low Energy (Bluetooth Smart)
Logging Rate	1 second to 18 hours
Time Accuracy	±1 minute per month at 25°C (77°F)
Battery	CR2477 3V lithium, user replaceable in MX2203, non-replaceable in MX2204
Battery Life	3 years, typical at 25°C (77°F) with logging interval of 1 minute and Bluetooth Always Off disabled in software. 5 years, typical at 25°C (77°F) with logging interval of 1 minute and Bluetooth Always Off or Bluetooth Off Water Detect enabled in software. Faster logging intervals and statistics sampling intervals, burst logging, remaining connected with the app, excessive downloads, and paging may impact battery life. To ensure proper battery installation, see <i>Battery Information</i> for detailed instructions on replacing the battery in the MX2203 logger.
Memory	96,000 measurements
Full Memory Download Time	Approximately 45 seconds; may take longer the farther the device is from the logger
Wetted Materials	MX2203: Polypropylene case, EPDM O-ring, stainless steel screws, Santoprene® (TPE) boot MX2204: Epoxy case, Santoprene (TPE) boot
Dimensions	MX2203: 4.45 x 7.32 x 3.58 cm (1.75 x 2.88 x 1.41 inches) MX2204: 4.06 x 6.99 x 3.51 cm (1.6 x 2.75 x 1.38 inches)
Weight	MX2203: 36.2 g (1.28 oz) MX2204: 32.8 g (1.16 oz)
Environmental Rating	IP68



The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).

See last page

Minimum System Requirements:



HOBOMobile

Mobile device

Data Logger Tidbit v2

Temperatura del aire y del agua

Está diseñado para ambientes al aire libre y bajo el agua, es sumergible hasta 300 m (1.000 pies). La interfaz óptica USB permite a los usuarios descargar los datos en cuestión de segundos.



Características Destacadas

- ✓ El data logger de temperatura más pequeño del mercado
- ✓ Resistente al agua hasta 300 metros (1.000 pies)
- ✓ Lectura de datos en menos de 30 segundos a través rápida interfaz USB óptico

Minimum System Requirements:



Software



Base Station*


 Coupler¹

Part number	UTBI-001
	Temperature Sensor
Operation range	-20° to 70°C (-4° to 158°F) in air; maximum sustained temperature of 30°C (86°F) in water**
Accuracy	± 0.21°C over 0° to 50°C (± 0.38°F over 32° to 122°F)
Resolution	0.02°C at 25°C (0.04°F at 77°F)
Response time	5 minutes in water; 12 minutes in air moving 2 m/sec; 20 minutes in air moving 1 m/sec (typical to 90%)
Stability (drift)	0.1°C (0.18°F) per year
	Logger
Real-time clock	± 1 minute per month 0° to 50°C (32° to 122°F)
Battery	3 Volt lithium, non-replaceable
Battery life	5 years with 1 minute or greater logging interval
Memory	42,000 measurements
Waterproof	To 305 m (1,000 ft)
Dimensions	3.0 × 4.1 × 1.7 cm (1.2 × 1.6 × 0.68 in); mounting bail 4.6 mm (3/16 in) diameter hole
CE compliant	Yes

Estación Meteorológica HOBO U30 NRC

Estación meteorológica de registro de datos ambientales de alta resistencia y durabilidad

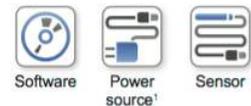
Medidas admitidas: presión barométrica, humedad de la hoja, intensidad de la luz, PAR, entrada de pulsos, precipitación, humedad relativa, humedad del suelo, radiación solar, temperatura, velocidad y dirección del viento, 4-20mA, entrada de voltaje

Ventajas clave:

- ✓ Carcasa robusta a prueba de intemperies e inalterable
- ✓ La configuración es rápida y sencilla con sensores plug-and-play
- ✓ Descarga de datos rápida a través de USB
- ✓ Entradas analógicas opcionales con excitación del sensor
- ✓ Incluye relé que se puede activar en condiciones de alarma definidas por el usuario
- ✓ Con capacidad de 15 canales



Minimum System Requirements:



Part number	U30-NRC
Smart-Sensor Inputs	5 or 10
Data Channels	Maximum of 15 (some sensors use more than one data channel)
Smart Sensor Cable Length	100m (323ft) maximum
Alarm Relay	Can be activated, deactivated or pulsed on user-defined sensor alarms.
Logging Interval	1 minute to 18 hours, user-specified
Data Storage Memory	512K bytes local storage in non-volatile flash memory
Environmental Rating	Weatherproof enclosure, NEMA 4x
Operating Range	-40 to 60°C (-40 to 140°F) see battery life
Power	An Onset solar panel (3w, or 6w) or AC adapter is required
Battery Life	3-5 years, 4 volt 10 AHr rechargeable sealed lead acid
Dimensions	17.8 x 11.7 x 19.3 cm (7.0 x 4.6 x 7.6 in)
Weight	2kg (4lbs 10oz)
Local Communication	USB
CE Compliant	Yes

Estación Meteorológica RX3000

Ambiente Interior: temperatura, humedad relativa, punto de rocío, CO2, velocidad del aire, COV

Energía / Potencia: 4-20 mA, Corriente CA, Voltaje AC, Hora amperio, Amperios, Flujo de aire comprimido, Corriente continua, Voltaje CC, Diferencial, Presión, Presión manométrica, kW, kWh, Factor de potencia, Entrada de pulso, Volt-Amp Reactivo, Volt-Amp Reactive Hour, Voltios-Amperios, Voltios, Flujo de agua, Watt Hours, Watts

Ambiente Intemperie: temperatura, humedad relativa, punto de rocío, radiación solar, PAR, precipitación, velocidad del viento, dirección del viento, humedad del suelo, presión barométrica, humedad de la hoja, 4-20mA, entrada de voltaje, entrada de pulso

Ventajas clave:

- Acceso a datos en la nube
- Operación Plug-and-play
- Soporte flexible para una amplia gama de sensores
- Pantalla LCD para una fácil implementación en el campo
- Notificaciones de alarma por mensaje de texto, correo electrónico
- Robusto gabinete a prueba de agua
- Comunicaciones celulares, WiFi y Ethernet



Minimum System Requirements:



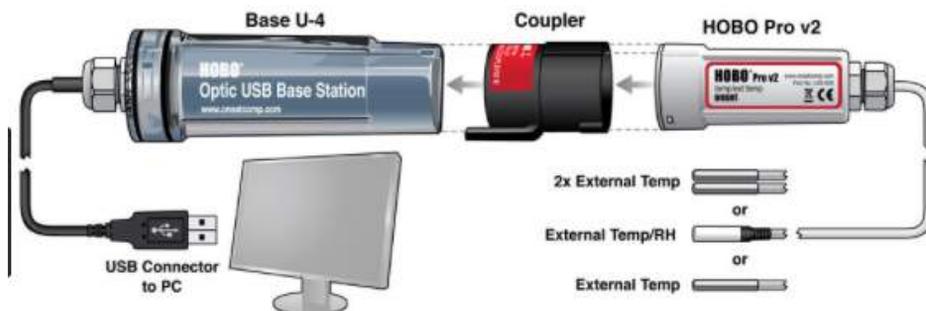
Part number	RX3001-00-01 (ETH)	RX3002-00-01 (WiFi)	RX3003-00-01 (3G)
Smart Sensor Connectors	10 (up to 15 data channels; some sensors use more than one data channel)		
Maximum Number of Sensors	18 (when 2 Analog Modules are configured in the station)		
Smart Sensor Cable Length	100 m (328 ft) maximum		
Module Slots	2 (for optional Analog or Relay module; see manual for detailed module specification)		
Fastest Logging Rate	1 second	1 second	1 minute
Memory	32 MB, 2 million measurements		
Alarm notification latency	Logging interval plus 2-4 minutes, typical		
Environmental Rating	Weatherproof enclosure, NEMA 4X		
Operating Range	-40° to 60°C (-40° to 140°F)		
Power	Onset solar panel, AC charger or user-provided external power supply is required		
Battery Life	Typical 3-5 years; 4 Volt, 10 AHr, rechargeable sealed lead-acid		
Size	18.6 x 18.1 x 11.8 cm (7.3 x 7.1 x 4.7 in.)		
Weight	2.2 kg (4.85 lb)		
Communications	Ethernet RJ45/100BaseT	WiFi IEEE 802.11 b/g/n	Cellular GSM/GPRS/EDGE: Quad band 850/900/1800/1900 MHz, UMTS/HSPA+: Five band 800/850/900/1900/2100 MHz
CE Compliant	Yes		

Estación base óptica U-4

La base universal USB Óptica y los acopladores se utilizan para descargar datos desde cualquier registrador de datos HOBO® con una interfaz USB óptica.

Compatible con los Data Loggers serie:

- UA
- U20
- U22
- U23
- UTBI
- U24
- U26



Características Destacadas

- ✓ Descargar datos de cualquier registrador de datos HOBO® con una interfaz USB óptica
- ✓ Los acopladores están incluidos
- ✓ Longitud del cable 183 cm (6 pies)
- ✓ Descarga el registrador completo de 64 K en 30 segundos



Extractor de Datos U-DTW-1

EL SHUTTLE impermeable proporciona lecturas de los data loggers HOBO, a través de una interface USB óptica resistente al agua hasta 20mts.

Compatible con los DATA LOGGERS serie:

- UA
- U20
- U22
- U23
- UTBI
- U24
- U26



Compatibility	All HOBO U-Series loggers with optic USB. Not compatible with the HOBO U-Shuttle (U-DT-1).
Data Capacity	63 logger readouts of up to 64K each
Operating Temperature	0° to 50°C (32° to 122°F)
Storage Temperature	-20° to 50°C (-4° to 122°F)
Wetted Materials	Polycarbonate case, EPDM o-rings and retaining loop
Waterproof	To 20 m (66 feet)
Time Accuracy	±1 minute per month at 25°C (77°F); see Plot A
Logger-to-Shuttle Transfer Speed	Reads out one full 64K logger in about 30 seconds
Shuttle-to-Host Transfer Speed	Full shuttle offload (4 MB) to host computer in 10 to 20 minutes, depending on computer
Batteries	2 AA alkaline batteries required for remote operation
Battery Life	One year or at least 50 complete memory fills, typical use
Weight	150 g (4 oz)
Dimensions	15.2 x 4.8 cm (6.0 x 1.9 inches)



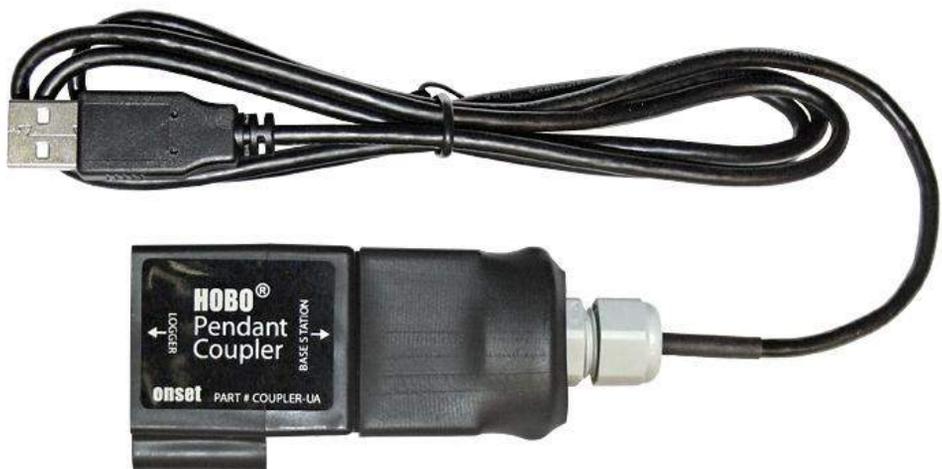
The CE Marking identifies this product as complying with all relevant directives in the European Union (EU). To maintain CE compliance, this product must be used with the supplied USB cable or equivalent (less than 3 m long).

Estación base USB óptica para Pendant Base U-1

La estación base y el acoplador Pendant proporcionan una comunicación infrarroja óptica (IR) rápida y fácil para la lectura del registrador de datos HOBO Pendant. La estación base se conecta a través de USB a una computadora host, mientras que el acoplador conecta el registrador de datos a la estación base para las comunicaciones. La estación base pendant descarga un registrador de datos completo de 64K en 30 segundos o un registrador de datos completo de 8K en 6 segundos, además es resistente a las salpicaduras.

Características Destacadas

- ✓ Proporciona una comunicación infrarroja óptica (IR) rápida y de fácil lectura de los registrador HOBO pendant
- ✓ Se conecta a través de USB a una computadora
- ✓ Descarga el registrador completo de 64 K en 30 segundos



RS1 Protector de Radiación Solar

El escudo contra la radiación solar se recomienda para garantizar la precisión de la medición de la temperatura y humedad relativa en lugares expuestos al reflejo directo del sol.

Características generales :

Se monta en trípodes, mástiles, o superficies verticales planas.

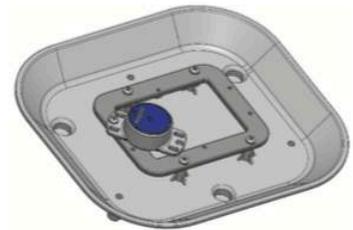
Es ideal para su uso con registradores como el HOBO MX2300, HOBO colgante y registradores de datos de la serie U

NOTA:

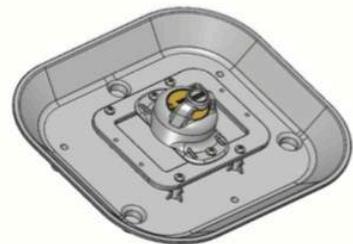
- ✓ Los registradores HOBO MX2301 o MX2305 requieren el MX2300-RS-BRACKET
- ✓ Los registradores HOBO U22 o U23-001 requieren el kit de abrazadera U23.



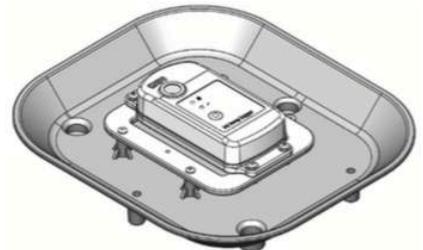
Kit abrazadera U23



MX2201 Logger



MX2203 Logger



MX2301/MX2305 Logger

RS3 Protector de Radiación Solar

El escudo contra la radiación solar se recomienda para garantizar la precisión de la medición de la temperatura y humedad relativa en lugares expuestos al reflejo directo del sol.

Características generales :

Tiempo de respuesta: 2,5 veces más rápido que la RS1

Resistencia del viento: Probado de vientos sostenidos de hasta 129 kilómetros por hora (80 mph), probado en ráfagas de hasta 161 kilómetros por hora (100 mph)

Escudo: ASA estireno (rayos UV)

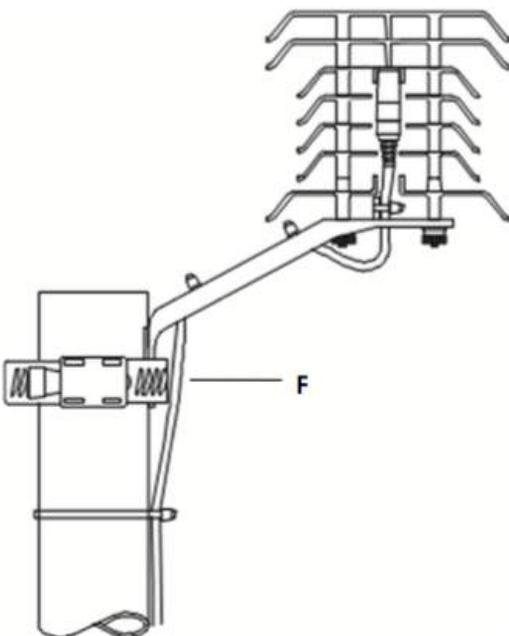
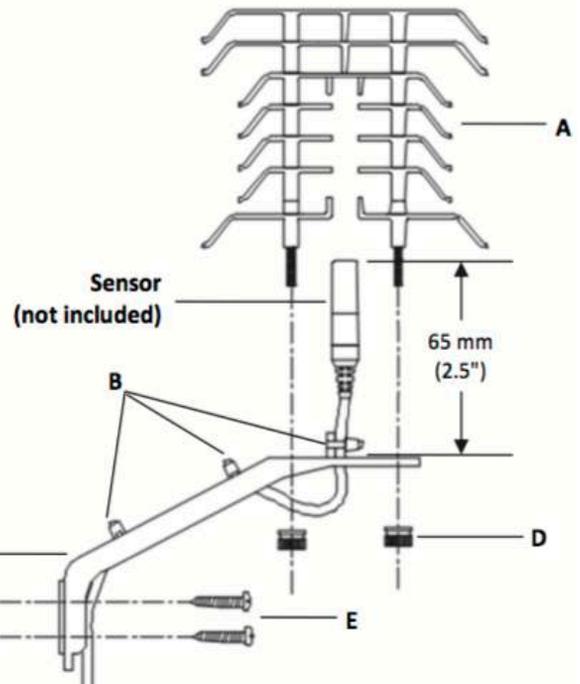
Soporte: nylon reforzado con fibra de vidrio (rayos UV)

Hardware de montaje: Acero inoxidable y latón

Temperatura: -40 ° a 75 ° C (-40 ° a 167 ° F)

Peso: 113 g (4 oz)

Altura: 89 mm (3,5 pulgadas); 159 mm (6 pulgadas) con soporte





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