

Cobalt XS is the latest addition to Dickson's data logger range for the OCEAView and DicksonOne Cloud monitoring solutions. Offering a small footprint and LoRaWAN wireless connectivity, the data logger supports a variety of external temperature and relative humidity sensors.

Ideal for life science, agri-food, and logistics sectors, Cobalt XS gives you a cost-effective and reliable way to keep an eye on the environmental parameters of your sensitive assets, storage facilities, products, equipment, and more

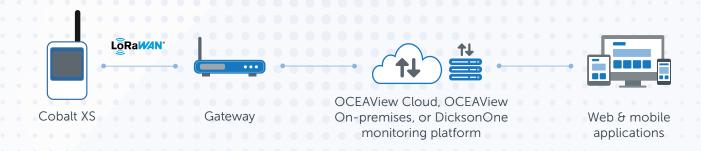
The Cobalt XS data logger implements LoRaWAN wireless connectivity⁽¹⁾ to provide very long-range coverage to minimize your related on-site infrastructure requirements.

Dickson's Smart-Sensor technology makes maintenance easier by storing all calibration information directly in the sensor, providing both high accuracy and on-the-fly sensor swapping for recalibration.

- Fully integrated with the OCEAView Cloud, OCEAView On-premises, and DicksonOne Cloud monitoring solutions using LoRaWAN wireless connectivity
- Compatible with Dickson's digital temperature,
 Smart-Sensor Pt100, and dual temperature/
 humidity sensors
- Ideal for the life sciences sector, including labs, hospitals, storage facilities, and manufacturing
- Button-controlled high-contrast LCD screen



Information flow Plug for 1 external pro (supports single and do sensor models)





Specifications

Pef	
	ofrigerators • Freezers • ULT freezers • Nitrogen tanks • Water baths • Ovens • Incubators • Autoclaves • Cold rooms Cleanrooms • Warehouses
Supported sensors Ten	mperature • Temperature/relative humidity
	O/IEC 17025 (COFRAC) accredited • In-house laboratory certified (non-accredited) • NIST-traceable • Recalibration a sensor exchange
Measurement points One	ne Binder connector for single or dual sensor probes
Display & interface	4" (6.1 cm) LCD screen for setup, synchronization with server, latest readings, battery level, signal strength • mperature in °C or °F
	arms and warnings indicated by flashing light • Managed directly by data logger and transmitted to monitoring atform for fast user notification • 3 high & 3 low limits (with programmable delay for each limit)
Monitoring software	ll integration with OCEAView Cloud, DicksonOne Cloud, and OCEAView On-premises monitoring platforms • Data gging setup handled via OCEAView or DicksonOne • Adjustable sensor reading interval
Connectivity plan	RaWAN long-range wireless technology, range up to about 15 km/10 miles L.O.S. ⁽¹⁾ • LoRaWAN regional channel ans in ISM radio spectrum: EU868, US915, AS923-1, AU915, IN865, KR920 • Bluetooth Low Energy (compatible with CEAView Mobile smartphone app 3.6.2 and higher) • Omnidirectional antenna
	000 readings per sensor (about 4 weeks of data with reading interval of 10 minutes) • Unlimited storage of uploaded ta on monitoring platform
POWer	5 V user-replaceable lithium battery ⁽²⁾ (use only SAFT LS17500 battery) • At least 1 year battery life (standard usage) • aximum current consumption 100mA • Maximum power 0.36W
Conditions	andard data logger: 0 °C to +50 °C (+32 °F to +122 °F); 0 to 90% relative humidity (non-condensing) • ith optional IP67 casing: -30 °C to +50 °C (-22 °F to +122 °F); 0 to 99.9% relative humidity (non-condensing) • oduct may be used at a maximum altitude of 2,000 meters (6,562 ft)
Storage conditions -10	0 °C to +60 °C (+14 °F to +140 °F) • 0 to 90% RH (non-condensing) • Optimal storage around 25 °C (77 °F)
Casing & dimensions ABS	3S plastic casing • 69 x 107 x 31 mm (2.7 x 4.22 x 1.22 in.) • Weight with battery: 130 g (4.6 oz.)
	all-mount kit for use with screws or Velcro® • For indoor use only in non-harsh environments • Maximum mounting eight 1.8 meters (about 6 feet) from the floor
Certifications FC0	CC • CE

Line-of-Sight range based on environmental conditions. Requires LoRaWAN coverage
(2) Contact us if you need to order without battery





Product references

Cobalt XS data logger (sensors not included)			
Cobalt XS - Multi-region	Single or dual sensor probe		
Accessory			
IP67 protective casing	-		
	Cobalt XS - Multi-region		

(3) Sensors sold separately





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