Ott XLink 2000

Applications

Hydrology
Urban Monitoring
Environmental Monitoring

Ott XLink 2000 Datalogger

Connected. Secured. Trusted.

Future-proof and secure
Plug-and-play configuration
Versatile across monitoring applications
Excellent support from experienced Ott Service Team
Compatible with LinkComm software for quick & easy configuration setup

Future-Proof and Secure
Ott XLink 2000 is designed for long-term adaptability and robust security, with a design that ensures reliable operation. Besides encrypted communication and user authentication, XLink 2000 inherits Ott's legacy of proactive firmware updates, ensuring critical security features are always current. You remain compliant with evolving standards and protected against emerging threats. Its modular hardware architecture ensures compatibility with emerging communication standards and sensor technologies – making it a truly scalable and future-proof solution.

Plug-and-Play Configuration
Combining proven reliability with modern innovation, the Ott XLink 2000 offers intuitive configuration via the LinkComm software. It features convenient remote access, a user-friendly interface, as well as regular firmware and software updates.

Versatile Across Monitoring Applications
Thanks to its sensor-agnostic design, the XLink 2000 works with a wide range of sensor types and brands, regardless of manufacturer, following the same means of configuration of other loggers in our portfolio. Its flexibility allows users to mix and match digital and analog sensors across, hydrological, urban and environmental applications – ensuring compatibility with future technologies and eliminating the need for system overhauls.

Excellent Support From Experienced Team
Ott offers extended warranties of up to five years, including premium coverage for unexpected events such as lightning, power surges, vandalism, or accidental damage. Our experienced service team is always available to provide expert assistance and peace of mind.

Technical Specifications

FEATURE		
GENERAL INFORMATION	SIZE	255 mm x 141 mm x 53 mm | 10.04 × 5.55 × 2.09 in (incl. screw terminal strip, connectors & mounting)
	WEIGHT	1 kg | 2.2 lbs
	IP RATING	IP40
	OPERATING TEMPERATURE	-40°C to +70°C | -40 °F to +158 °F
POWER REQUIREMENTS	VOLTAGE	+10 ... +28 VDC
	QUIESCENT	< 17 mA @ +12 VDC (datalogger only)
ANALOG VOLTAGE INPUT – UNBALANCED	NUMBER OF INPUTS	4
	INPUT RANGE	0 … 0.025 V; 0 … 5 V
	ACCURACY & RESOLUTION	± 0.05% FS | 0.06 µV
ANALOG-VOLTAGE INPUT DIFFERENTIAL	NUMBER OF INPUTS	2
	INPUT RANGE	± 5 V (each input must not exceed the input range of the unbalanced voltage input)
	ACCURACY & RESOLUTION	± 0.05% FS | 0.06 µV
DIGITAL INPUTS/OUTPUTS	NUMBER OF INPUTS	2, pulse input (1 x); +3 … +28 V
	INPUT TYPE	Status, counter, frequency
	MAX INPUT FREQUENCY	10 KHz, optional debouncing of the input signal
	NUMBER OF OUTPUTS	5
	OUTPUT TYPES	Switch supply voltage: SDI-12 (2 x); RS-485 (2 x); V_{REF} (1 x) 1
ANALOG-4-20mA INPUT	NUMBER OF INPUTS	1
	ACCURACY @ 25 °C	0.1 % error at FS
SDI-12 INTERFACE	QUANTITY	2 (electronically independent of each other)
	INTERFACE DESIGN	SDI-12 specification version 1.4
	OVERCURRENT PROTECTION	yes; 0.5 A
RS-485 INTERFACE	QUANTITY	2 (electronically independent of each other)
	PROTOCOL	SDI-12 via RS-485; Modbus; Lufft UMB
RS-232 INTERFACE (EIA-485)	QUANTITY	2
	CONNECTORS	D-Sub; 9-pin; male
	TRANSMISSION SPEED	Modbus: max 115.200 Bits/s & Cell modem: max 1 Mbit/s
ETHERNET INTERFACE	QUANTITY	1
	POWER OVER ETHERNET	no
	PLUG CONNECTOR	RJ-45
	TRANSMISSION SPEED	up to 1 Gbit/s Ethernet
	COMPATABILITY W/ IP CAMERAS	Compatible with IP cameras with REST-API (HTTP/HTTPS)
INTERFACE FOR EXTERNAL DATA STORAGE		2 x USB-A Host & slot for microSD card
DATA STORAGE	AVAILABLE DATA STORAGE FOR MEASURED VALUES	8 GB
	RESERVED FOR OPERATING SYSTEM	2 GB
	SAMPLE INTERVAL	1 second … 24 hours
DATA COMMUNICATION	TRANSMISSION INTERVAL	1 minute … 24 hours
	COMMUNICATION CHANNELS	Ethernet LAN, cell, Wi-Fi
	IP COMMUNICATION PROTOCOLS	FTP, FTPS, SFTP, HTTP, HTTPS
	ENCRYPTION (SSL)	TLS 1.3
	CIPHER SUITES	All algorithms supported
PRODUCT CERTIFICATIONS		CE, FCC, ISED