



XiLOG+

An advanced range of data loggers with remote communications options

COMMUNICATIONS

Transmission options	3G/2G
(Note; SMS communications not available on XiLog+2W model)	(SMS communication option with each of the above)
Antenna	Penta band internal antenna optimised for underground operation External antenna options available
Transmission frequency	Every 15 minutes to once per week
SIM type	User accessible and isolated from main logger housing
Alarms	Threshold, profile and envelope options
Direct connection	Rapid local USB communication

LOGGING

Memory size	2GB (500 million readings)
Data types	Daily, minimum, maximum and totals
Logging mode	Count and event
Sample intervals	1 second – 24 hours
Secondary logging	Log two measurement intervals on one channel
Clock	Integrated real time clock module provides date and time
Data compression	Option to merge flow + pressure channels into one SMS message

FLOW / EVENT INPUT (XILOG+ 1F, 2, 2I, 3I, 9)

Water meter inputs	For full list of water flowmeter inputs please contact support. primayer@ovarro.com
Max pulse frequency	1000 Hz
Meter index	Sends daily meter index values
Combination metering	Option to log two uni-directional meters into one data set

RS485 INPUT (XILOG+ 2W)

Protocols	Krohne Modbus RTU / Nivus KDO Doppler sensor
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INTERNAL PRESSURE TRANSDUCER (XILOG+ 1P, 2I, 3I)

Pressure range	0-10 Bar or 0-20Bar (for other pressure ranges contact support.denmead@ovarro.com)
Auto-zero function	Yes
Accuracy	±0.1% (of full scale)
Connection	Male quick release

ANALOGUE INPUT (XILOG+ 2, 2W, 9)

Voltage	0-1V, 0-5V, 0-10V
Current	4-20mA
External pressure /depth transducer	0-100mV (not available on XiLog+9)
Accuracy	±0.1% (of full scale)
Resolution	±0.025% (12 bit)

DATA

Hydraulic network data	Data may be displayed in both tabular and graphical formats Full graphing facilities with engineering units plus time axis selectable Multiple channels viewed including pressure, flow, level, rainfall, etc. Flowmeter readings plus daily volume and consumption data Signal strength Alarms
Statistics	Logger may be powered for data request (battery life affected)

ENVIRONMENTAL

Operating Temperature	0°C to 60°C (internal pressure transducer models) -10°C to 60°C (all other XiLog models)
Maximum Humidity	99% Relative Humidity
Dimensions	240x145x145mm
Ingress protection	IP68 (fully submersible to a depth of 1 metre)
Weight	0.84kg

POWER

Internal battery	Nominal 7.2Vdc @1.8A max
Battery chemistry	Lithium Thionyl Chloride (non-rechargeable)
Battery shelf life	10 to 15 years @ 20°C nominal temperature
External supply	8-15Vdc @ 1A SELV protected
USB supply (occasional use)	5Vdc (±0.3V) protected

REGULATORY COMPLIANCE

R&TTE Directive Safety: (article 3.1a)	EN 62368-1:2014 EN 62311:2008
R&TTE Directive EMC: (article 3.1b)	ETSI EN 301 489-1 V1.9.2 (2011-09) in accordance with the specific requirements of: ETSI EN 301 489-7 V1.3.1 (2005-11) & ETSI EN 301 489-24 V1.5(2010-10)
R&TTE Directive Spectrum: (article 3.2)	ETSI EN 301 511 V9.0.2 (2003-03) ETSI EN 301 908-1 V5.2.1 (2011-05) ETSI EN 301 908-2 V5.4.1 (2012-12)
RoHS Directive	EN 50581:2012

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