

# LOGSTOR Detect **Detector X1L**

Secure long lifetime of the pipe system



# Detector X1L - for the surveillance of district heating pipe networks

The X1L surveillance unit uses resistance measurement to monitor pre-insulated district heating pipe networks. The X1L unit features LAN and/or GPRS modem relay outputs for the transmission of measurement values, if appropriate, and can be used with the XTool graphic surveillance software.

The surveillance unit is linked to the two un-insulated copper wires in the pipe network. It monitors ohmic resistance to provide information about moisture which may have penetrated the pipe network from the surrounding soil or leaked from the service pipe.




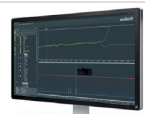
In addition, the X1L features a built-in function to register any breaks in the alarm wires or short-circuits in the system.

Three versions are available:

- X1L - The standard unit, with a transformer-based power supply and LAN module.
- X1L-G - As the X1L, with a built-in GPRS communication system.
- X1L-BG - As the X1L, with a built-in GPRS communication system and lithium battery.

The three versions can be used for systems with installation or coaxial cables.

## Technical data

Detector X1L		Type	Properties	Accessories
Weight	0.5 kg	X1L	Standard, as described above.	Transformer Included 
Dimensions	L x W x H: 200 x 110 x 60 mm			
Range	4 x 8,000 m – wires, 4 channels (4 loops)			
Measurement range – Insulation	1 Kohm – 1 Mohm			
Alarm transmitters	Optical and acoustic – and, with XTool software, relay output	X1L-BG	As the X1L, but with build-in GPRS unit and a lithium battery instead of a transformer.  In normal conditions, the battery service life is more than eight years.	Battery Included 
Signal	Network, GPRS, fibre, 4 G			
Encapsulation	Polycarbonate, halogen-free – IP 66			
Range of application	-20°C – +70°C			
Power supply	Transformer 110/230 V AC, 12 V DC – or battery	X1L-G	As the X1L but with built-in GPRS unit.	Antenna Included 
Power consumption	< 50 µA			
Placement	Indoors or in a terrain cabinet			
CE approved			Graphic software	XTool To be ordered separately 

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