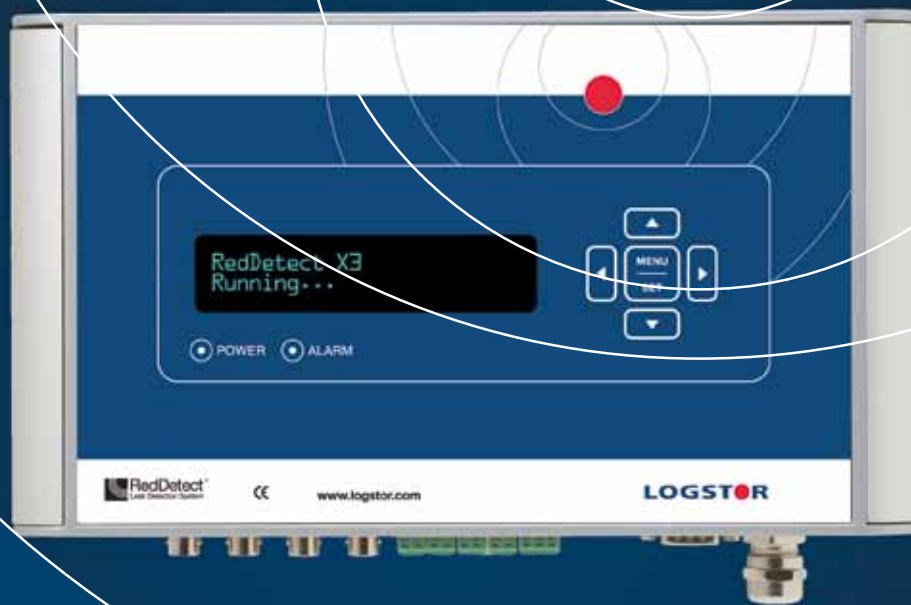


LOGSTOR *Detect*



RedDetect™ X3 – for the surveillance of district cooling pipe systems

The X3 uses 3dc cables to monitor impedance in pre-insulated pipe networks for the transportation of water for district cooling. The sensor registers moisture that may penetrate the pipe network from the surrounding soil or leak from the service pipe.

The RedDetect™ X3 can also register any breaks in the 3dc cables or short-circuits in the system.

The X3 monitors impedance via a built-in TDR impulse reflectometer which – when the system is commissioned – generates an initial curve as reference for subsequent comparison and troubleshooting. Any change outside the threshold values triggers an alarm, which makes it possible to locate faults at an early stage.







When the unit is combined with RedDetect™ XTool surveillance software, all the messages about the condition of the pipe network transmitted by the X3 are collated in a graphic display on a centrally located computer.

Can only be used for systems with coaxial cables.

● distributing energy efficiency

LOGSTOR *Detect*

RedDetect™ X3 - Technical data	
Weight	2 kg
Dimensions	L x W x H: 260 x 150 x 90 mm
Range	4 x 3,000 m wires, 4 channels (2 loops or open)
Measurement range – Insulation	1 Kohm – 50 Mohm
Alarm transmitter	Optical and acoustic – and, with XTool software, relay output
Communication protocol	TCP/IP
Accuracy	< 1 metre, Impulse: TDR 0.25–5 ns
Signal	Network, GPRS, fibre
Encapsulation	Aluminium IP 54 (with component cabinet, IP 66)
Range of application	-20°C – +80°C
Power supply	Built-in transformer, 110/230 V AC 12 V DC
Power consumption	15W
Placement	Condensation free - indoors or in a terrain cabinet
CE approved	

Accessories			
GPRS modem		Cabinet	
Transient protection		XTool, graphic software	
Antenna		3dc cable	

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