



SWCT

Scotia Wireless Continuity Transmitter



Remote continuity monitoring and recording is achieved by incorporating a radio and continuity transmitter in one assembly. A remote receiver allows continuity to be displayed or recorded without interconnecting cables.

The transmitter, powered by an internal battery, allows wireless transmission of the continuity status to the receiver. The mains powered receiver can be up to 500 metres maximum and 200 meters typical as per ESI.

The receiver provides a 4-20mA output recorded by any of the Scotia logging systems such as Scotialogger and SDAS. The connection carries the data and power for the receiver and also identifies each attached receiver via an electronic tag. A switch allows the device to be turned off when not in use.

Difficult to access sites and moving or rotating equipment can be tested without cable twisting.

Data transmission is via a radio transmitter operating at a designated low power UHF telemetry frequency. No licence is required with this equipment.

SPECIFICATIONS

Transmission Frequency	418 MHz (US), 433 MHz (EU)	Electrical connection	crocodile clips
Transmission range	Up to 500m line of sight	Measuring range	0 Ohms (short circuit) to 1000 Ohms, greater than 1000 Ohms = open circuit
Data transmission rate	Serial radio packet @ 4800/9600 baud	Ingress protection	IP66 transmitter
Resolution	0.024% fs	Weight	1.3 kg
Uncertainty	0.1%	Lithium 3.3V battery life	1000 hours (every 200 ms) 5000 hours (every 3s) 8000 hours (every 10s) 9300 hours (every 45s)
Operating temperature range	-40C to +85C		
Radio type approvals	MPT1328, EN3 00 220		
EMC compatibility	CE marked (EN 300 680)		

**Please note, the frequency must be stated when ordering.
It is not legal to use an EU transmitter in the US, or a US transmitter in the EU.**