

Leica Digitex Signal Transmitters

Compact design and fully protected in the harshest conditions



The compact and robust Leica Digitex signal transmitters can be used in conjunction with the Leica Digicat locators to trace the route of buried utilities and to provide a depth estimation when using a locator with depth capabilities. The Digitex xf transmitters provide operators with low frequency long range tracing frequencies providing operators with a greater tracing range than ever before.

The Leica Digitex signal transmitters deliver a higher power output than standard signal transmitters. Designed with simplicity in mind they provide operators with a perfect solution from everyday site use, to specialist long range tracing.

Benefits:

- Four adjustable power output levels; select the output for site, tracing conditions
- Durable weatherproof design, environmental protection rating of IP65
- Robust, compact and lightweight design engineered for tough site conditions
- Choice of four tracing signals; select the frequency for site, tracing range
- Ease-of-use, default output frequency of 33K power level 2
- Clear, audio visual controls; externally mounted, displaying the transmitters output condition
- Built-in test function allowing operators to test the hardware and software functionality before use

Flexibility:

Compact design with an IP65 rating, the Leica Digitex signal transmitters are fully protected even in the harshest of conditions.

Leica Digitex 100t – Producing up to 1 watt of power

Leica Digitex 300t - Producing up to 3 watts of power

Leica Digitex 100t xf – Producing up to 1 watt of power and includes extra tracing frequencies

Leica Digitex 300t xf – Producing up to 3 watts of power and includes extra tracing frequencies

Choice of tracing frequencies:

- 512Hz & 640Hz – Enables long distance tracing
- 8kHz – Mid-range distance tracing
- 33kHz – Standard tracing frequency on avoidance locators, used for everyday site use

Leica Digitex Signal Transmitters

Features	Leica Digitex 100t	Leica Digitex 300t	Leica Digitex 100t xf	Digitex 300t xf
8kHz Mode	8.192kHz	58.192kHz	8.192kHz	8.192kHz
33kHz Mode	32.768kHz	32.768kHz	32.768kHz	32.768kHz
Mixed 8/33	8.192kHz / 32.768kHz	8.192kHz / 32.768kHz	8.192kHz / 32.768kHz	8.192kHz / 32.768kHz
512Hz Mode			512Hz	512Hz
640Hz Mode			640Hz	640Hz
Induction (Max)	Up to 1W max	Up to 1W max	Up to 1W max	Up to 1W max
Direct Connection (100 Ohms)	Up to 1W max when connected to a buried service with an impedance of 100 Ohms	Up to 3W max when connected to a buried service with an impedance of 100 Ohms	Up to 1W max when connected to a buried service with an impedance of 100 Ohms	Up to 3W max when connected to a buried service with an impedance of 100 Ohms

Protection (Case Lid Closed)	IP65	IP65	IP65	IP65
Protection (Case Lid Open)	IP54	IP54	IP54	IP54
Working Temperature	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C
Battery Type	4 x D alkaline (IEC LR20), supplied	4 x D alkaline (IEC LR20), supplied	4 x D alkaline (IEC LR20), supplied	4 x D alkaline (IEC LR20), supplied
Battery Life (Typical Use at 20°C)	30hrs intermittent use	20hrs intermittent use	30hrs intermittent use	20hrs intermittent use
Weight	2.4kg/5.3lbs including batteries	2.4kg/5.3lbs including batteries	2.4kg/5.3lbs including batteries	2.4kg/5.3lbs including batteries
Dimensions	105mm (H) x 190mm (D) x 235mm (W)	105mm (H) x 190mm (D) x 235mm (W)	105mm (H) x 190mm (D) x 235mm (W)	105mm (H) x 190mm (D) x 235mm (W)
Extended Self Test	Induction and Connection Modes	Induction and Connection Modes	Induction and Connection Modes	Induction and Connection Modes
Power Output Levels	4	4	4	4