

Using the ingress radio transmitter **ITX2** as a portable device will enable you to take the 'find' time out of the 'find-and-fix' equation. Once connected to our ARD4 autonomous recording device, it automatically detects ingress impairments while the technicians patrol the operator's territory as part of their daily work routine. This translates into diminished subscribers' downtime related to ingress impairments.

The ITX2 continuously transmits a low power ingress test signal in the upstream band of the broadband cable network to help technicians find-and-fix the source of the ingress interference.

### HIGHLIGHTS

**Cost-effective transmitter operating on a user-selectable, fixed upstream frequency**

**Continuous transmission of ingress test signal via the transmitter's antenna**

**No need to attenuate upstream node segments to locate the ingress source**

**Transmission-compliant with FCC / EC regulations, thus waiving the operating license requirement**

**Real-time response to localize ingress interference using our CPAT FLEX management system or real-time ingress monitoring mobile application**



# SPECIFICATIONS

## ITX2

TECHNICAL	Details
Transmitter type	DBPSK
Frequency range	6.78 MHz or 27.12 MHz, set at factory
Bandwidth	30 KHz
Radiated power	Maximum: -8 dBm
Antenna connector	BNC 50 Ω
Transmitted data	68 bits
Transmission duration	8 ms
Transmission interval	100 ms
Communication port	USB type A
ELECTRICAL	Details
Power	Inputs: +12 VDC 1.2 A max +7.2 VDC lithium ion battery pack of 2000 mAh ~ 0.3 A
AC battery charger	Input: 100-240 V ~ 50-60 Hz 0.7 A Output: +12 VDC 1.66 A Transient overvoltage II Rated pollution degree 2
Mains supply voltage fluctuations	Up to ±10% of the nominal voltage
Operation time	6 hours nominal on battery power
Operating temperature	-20° to +40° C / -4° to +104° F
Storage temperature	-20° to +45° C / -4° to +113° F
Recommended use	Indoor use or outdoor use without exposing to direct sunshine or wet location
Altitude	Up to 2,000 m (6,560 ft)
Maximum relative humidity	80% for temperatures up to 31° C (88° F) decreasing linearly to 50% relative humidity at 40° C (104° F)
PHYSICAL	Details
Dimensions [H x W x D]	19.5 cm x 8.6 cm x 4.5 cm / 7.7" x 3.4" x 1.8"
Weight	550 g / 19 oz

ORDERING INFO	P/N
ITX2 - Portable ingress radio transmitter @ 6.78 MHz .....	150-00026-100
ITX2 - Portable ingress radio transmitter @ 27.12 MHz .....	150-00027-100
RELATED ITEMS	P/N
IRX1 - Head-end ingress receiver @ 6.78 MHz .....	150-00025-100
IRX1 - Head-end ingress receiver @ 27.12 MHz .....	150-00024-100
ARD4 - Autonomous recording device .....	150-00020-100



TECHNICAL SUPPORT TEAM

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\* Specifications subject to change without prior notice.