



TEM47HP TRANSMITTER

TECHNICAL SPECIFICATIONS

Current Waveform	:	Bipolar rectangular current with 50% duty cycle.
Repetition Rate	:	7.5 Hz, 30 Hz, 75 Hz or 285 Hz in countries using 60 Hz power line frequency; 6.25 Hz, 25 Hz, 62.5 Hz or 237.5 Hz in countries using 50 Hz power line frequency.
Turn-Off Time	:	Internal battery (variable): Very fast linear turn-off 2.5 μ s at 2 amps into 40 x 40 m loop. Faster in smaller loop. External battery (fixed): 290 μ s at 4 amps into 2 x 2 m, 64-turn loop.
Transmitter Loop	:	Any dimension from 5 x 5 m to 200 x 200 m. Multiple-turns loop possible.
Output Current	:	Internal battery (variable voltage): 3.5 A maximum; (7 A pp). External battery (fixed voltage levels): 10 A maximum; (20 A pp).
Output Voltage	:	Internal battery (variable voltage): 0 to 9 volts continuously variable (at 1A load). External battery (fixed voltage levels): 12, 24, 36 or 48 volts
Power Source	:	Internal 12 volts rechargeable battery. Optional: up to three external 12 V batteries
Battery Life	:	5 hours continuous operation at 2A output current (for internal battery).
Transmitter Size	:	14 x 24 x 32 cm.
Transmitter Weight	:	6.5 kg (incl. battery and field case)

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