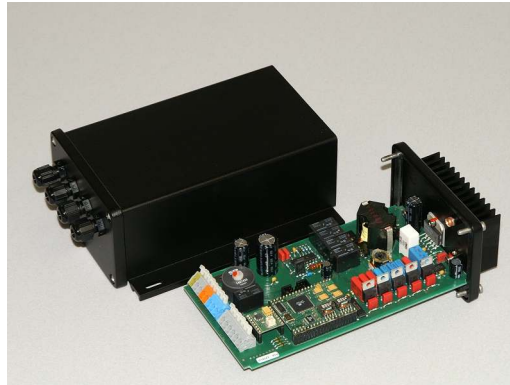


Long Range Reader DSR100



Elatec's long range reader DSR-100 is an integrated compact reader for 125 kHz transponders. It combines state of the art technology (DSP, Synchronic Demodulation...) in a small housing. Reading distance of up to 2m (depending on size of tag and orientation) integrated in a robust housing demonstrate the conception to heavy industrial applications

The modular system allows specific configuration and interfaces.

Your specific coil designed by Elatec: On request

Technical data

Housing	Aluminum
Processor	Multi-processor system for Protocol layer and DSP for real time data processing
Frequency	125 KHz digital synthesized, working frequency trimmable (100...150 kHz)
Antenna tuning	Automatically by connecting to power supply and during operation if necessary (self detection)
Dimensions (L x W x H)	222 * 145 * 78 mm
Power supply	24V DC
Current input	Typical 1A
Temperature range	-20°C to +50°C (-4°F to 122°F)
Relative humidity	5% - 95% non condensing
Antenna	external connection for application optimized antennas; automatic tuning capability of antenna
Read- / write distance	Depend. on size and orientation up to 100mm
Supported transponders	<ul style="list-style-type: none"> • EM4102, UNIQUE • HITAG-1, HITAG-2, HITAG-S • EM4150, TITAN • EM 4105, ZOODIAC • EM4025 • Q5, T5557
Demodulation	Synchronic Demodulation
Relay	24 V DC / 3 A permanent current
Operating mode	Stand alone: 500 ID's autonomous Online: direct connection to PC
Approvals	CE, UL in preparation
Protection	IP 65
Connection standards	RS232 or USB
Order code	DSR101: Reader with serial interface DSR106: Reader with USB interface DSR111: Starterkit with external antenna (size 40 *40 cm), test software and drivers.

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