



HF transponders

Object identification using HF RFID data cards

SICK
Sensor Intelligence.



Product description

The high frequency (HF) transponders are passive tags that use the energy of a read/write device for data transmission. HF transponders comply with the globally applicable ISO/IEC15691 standard. The large range of transponders with regard to dimensions, size, storage size, ambient operating temperature, mounting and read range enable use in a variety of applications. Together with RFID read/write devices, they create reliable identification solutions.

At a glance

- Passive transponders
- Compliance with standards
- Mounting on various materials possible, even on metallic surfaces
- No line of sight required
- Reading and writing
- Ambient temperature range from $-40\text{ }^{\circ}\text{C}$ to $+230\text{ }^{\circ}\text{C}$

Your benefits

- Low price and maintenance-free
- Standard-compatible transponders enable future-proof solutions
- High flexibility thanks to the option of mounting on different materials and functions which make visual contact to the RFID read/write device unnecessary
- Variable use due to quick and easy overwriting of transponder data
- The rugged design enables reliable operation - even in tough industrial environments

Fields of application

- High-temperature applications in paint lines
- Identification of containers and pallets
- Identification of vehicles and trains

Ordering information

Other models and accessories → www.sick.com/HF_transponders

Special features	Memory capacity (EPC / user memory)	Dimensions (L x W x H)	Diameter	Type	Part no.
-	2528 Bit (79 x 4 Byte) (User Memory)	53.98 mm x 85.6 mm x 0.76 mm	-	HF transponder, ISO card	6037848
	896 Bit (28 x 4 Byte) (User Memory)	-	22 mm	HF transponder, disk	6052179
			30 mm	HF transponder, disk	6051701
		12.5 mm x 25 mm x 5 mm	-	HF Transponder, rectangular, on-metal	6039051
		14 mm x 7 mm	7 mm	HF transponder, cylinder	6067993
		18 mm x 36 mm x 0.42 mm	-	HF Transponder, Paper label	6087790
		37 mm x 90 mm x 7 mm	-	HF Transponder, rectangular, on-metal	6047938
		49 mm x 81 mm x 0.42 mm	-	HF Transponder, Paper label	6087791
			-	HF Transponder, Smart Label, global	On request
High Temperature	2048 Bit (64 x 4 Byte) (User Memory)	-	22 mm	HF transponder, coin	6033173
	2528 Bit (79 x 4 Byte) (User Memory)	-	16 mm	HF transponder, coin	6041592
			30 mm	HF transponder, disk	6034740
			50 mm	HF transponder, disk	6033781
	21.7 mm	4 mm	HF transponder, glass	6039237	
896 Bit (28 x 4 Byte) (User Memory)	6.5 mm x 51 mm x 51 mm	-	HF transponder, square, high-temp	6060918	
High Temperature, High Memory	16,000 Bit (250 x 8 Byte) (User Memory)	-	30 mm	HF transponder, disk	6043514
			50 mm	HF transponder, disk	6042212
High Temperature, Tested for 220 °C over 400 hours	2528 Bit (79 x 4 Byte) (User Memory)	6.4 mm x 51.5 mm x 51.5 mm	-	HF Transponder, Square, High-Temp	6092747

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com