

Read/Write Heads—Frequency Range UHF



Standard Technical Data

Frequency	UHF (865 MHz ... 928 MHz)
Connection type	M12 connector plug
Degree of protection	IP67
Ambient temperature (max)	70 °C

For detailed data and description, see the datasheet. Further products can be found online at www.pepperl-fuchs.com.

Model number	RF approval	Transmission power	Region UHF	Max. read distance	Ambient temp. (min)	Length L	Width W	Height H	CSA	UL
IUH-F190-V1-FR1-01	EU, Turkey	3 mW ... 1000 mW	ETSI (865 MHz ... 868 MHz)	2000	-20	100	100	63		
IUH-F190-V1-FR2-02	Argentina, Canada, USA	3 mW ... 1250 mW	FCC (902 MHz ... 928 MHz)	2000	-20	100	100	63	■	■
IUH-F190-V1-FR2-03	China	3 mW ... 800 mW	FCC (902 MHz ... 928 MHz)	2000	-20	100	100	63		■
IUH-F190-V1-FR1-04	India	3 mW ... 800 mW		2000	-20	100	100	63		
IUH-F190-V1-FR1-05	Singapore, Vietnam	3 mW ... 500 mW	ETSI (865 MHz ... 868 MHz)	2000	-20	100	100	63		
IUH-F190-V1-FR1-06	Russia	3 mW ... 800 mW		2000	-20	100	100	63		
IUH-F190-V1-FR2-07	Brazil	3 mW ... 1250 mW	FCC (902 MHz ... 928 MHz)	2000	-20	100	100	63		
IUH-F190-V1-FR2-08	Japan	3 mW ... 125 mW	FCC (902 MHz ... 928 MHz)	700	-20	100	100	63		
IUH-F190-V1-FR2-10	Australia		FCC (902 MHz ... 928 MHz)	2000	-20	100	100	63		
IUH-F190-V1-FR2-12	Hong Kong, Thailand	3 mW ... 1250 mW	FCC (902 MHz ... 928 MHz)	2000	-20	100	100	63		
IUH-F190-V1-FR2-13	Malaysia	3 mW ... 800 mW	FCC (902 MHz ... 928 MHz)	2000	-20	100	100	63		
IUH-F190-V1-FR2-14	Singapore, Vietnam	3 mW ... 500 mW	FCC (902 MHz ... 928 MHz)	2000	-20	100	100	63		
IUH-F192-V1-FR1	EU, India, Russia, Turkey	10 mW ... 2000 mW	ETSI (865 MHz ... 868 MHz)	4000	-25	268	270	81		
IUH-F192-V1-FR2	Australia, Brazil, China, Malaysia, New Zealand	10 mW ... 4000 mW	FCC (902 MHz ... 928 MHz)	4000	-25	268	270	81	■	
IUH-F192-V1-FR2-02	Argentina, USA	10 mW ... 4000 mW	FCC (902 MHz ... 928 MHz)	4000	-25	268	270	81	■	
IUT-F190-R4-V1-FR1-01	EU, Turkey	3 mW ... 1000 mW	ETSI (865 MHz ... 868 MHz)	2000	-20	100	100	63		
IUT-F190-R4-V1-FR2-02	Canada, USA	3 mW ... 1250 mW	FCC (902 MHz ... 928 MHz)	2000	-20	100	100	63	■	■
IUT-F190-R4-V1-FR2-03	China	3 mW ... 800 mW	FCC (902 MHz ... 928 MHz)	2000	-20	100	100	63		■
IUT-F190-R4-V1-FR1-05	Singapore, Vietnam	3 mW ... 500 mW	ETSI (865 MHz ... 868 MHz)	2000	-20	100	100	63		
IUT-F190-R4-V1-FR1-06	Russia	3 mW ... 800 mW		2000	-20	100	100	63		
IUT-F190-R4-V1-FR2-07	Brazil	3 mW ... 1250 mW	FCC (902 MHz ... 928 MHz)	2000	-20	100	100	63		
IUT-F190-R4-V1-FR2-14	Singapore, Vietnam	3 mW ... 500 mW	FCC (902 MHz ... 928 MHz)	2000	-20	100	100	63		

Highlights

- For medium to large detection ranges and global use
- Preassembled function blocks for quick and simple system integration
- Compact, durable housing with a wide range of applications
- Switchable antenna polarization for accurate tag identification and reliable process flows
- Multi tag reading for impressive productivity

Brief Description

The UHF systems (865 MHz – 928 MHz) from Pepperl+Fuchs are the perfect choice for all long-distance applications requiring long detection ranges of up to 6 meters. Their compact design featuring an integrated antenna means these devices are also ideal for use in confined spaces.

Accessories

IC-KP-B17-AIDA1	IDENTControl control interface with Ethernet
IC-KP2-1HB17-2V1D	IDENTControl Compact control interface with Ethernet
IC-KP2-1HB6-2V15B	IDENTControl Compact control interface with PROFIBUS
IC-KP2-1HRX-2V1	IDENTControl Compact control interface with serial
IC-KP2-2HB17-2V1D	IDENTControl Compact control interface with Ethernet
IC-KP2-2HB18-2V1	IDENTControl Compact control interface with CC-Link
IC-KP2-2HB21-2V1D	IDENTControl Compact control interface with EtherCAT