

IRDI System

Diagnostic Nozzle Receiver (DNR) Specification

The Diagnostic Nozzle Receiver (DNR) is a handheld device used to test the functionality of a hydrogen fuel cell vehicle's infrared transmitter. It receives SAEJ2799 messages, performs integrity checks on them, and provides a pass/fail indicator.

Specification description	Value	Unit	Remarks
Power input			
Battery	2 x LS14500		14505 Lithium Battery (3.6V)
Battery life	60	hrs	Without wireless connection
Signal input			
Format	J2799 v1.0, v1.1, v2.0		Infrared signal
Peak wavelength	890	nm	
User Interface			
Buttons	On/Off; Bluetooth Connect		
LED indicator	Power, Data, Pass/fail, Diagnostic		
Form factor	Cylindrical		
Length	~190	mm	
Diameter	~60	mm	
Weight	~780	g	With 2x batteries
Housing material	Aluminum – Black Anodized		
Operation temperature	-10 - 50	°C	
Ingress protection	IP65		
Certification	None		
Wireless connection	BT-Compatible		

Ordering information		
200924	Diagnostic nozzle receiver	

Contact Information
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Specifications subject to change without notice.