2026 Noise Logger Matrix v1.9

Manufacturer	Product	NBIOT	CATM1 IOT	Cellular	Blue tooth communication	Radio connection	Hydrophone sensor	Multi Sensor Correlation between loggers	Correlation between sensors	Automatic correlation	AI (assisted machine learning) used for leak identification	Manual correlation	Noise log only	Cloud software	Tablet software only	Local communications via app/smartphone/tablet/ comms unit	Sound file transmitted to cloud	GIS mapping to cloud from site	GIS mapping to cloud from office	Signal spectrum on software	Histogram on software	Leak size capability	Leak prioritization	extended correlation features	Logger sends notification alarms	Meter length of correlation between sensor on average	Battery lifetime	Battery exchangeable in field	Certified IP rating
Gutermann	ZONESCAN AI																									500 mtrs*	>5 years		IP68
	ZONESCAN Hydro																									1000 mtrs	>5 years		IP69
	ZONESCAN 850																									500 mtrs*	3-5 years		IP68
	MULTISCAN 2																									500 mtrs*	5 years		IP68
Ovarro	Enigma 5m multi-correlation ability 24 per day available with extended time slots																									300mtrs	5Years		IP68
	Enigma HYQ / 5BB																									750 mtrs	5Years		IP68
	Enigma Classic Kits 8 Sensors																									350 mtrs	5Years		IP68
	Enigma HYQ Kits 8 Sensors																									1000 mtrs	5Years		IP68
	Enigma Reach 16 32 64 Kit - 100% Automation																									450mtrs	5Years		IP69
	Eureka5																									1000mtrs	IPAD		IP68
Orbis	Orbis SmartCap																									330m			
HWM Global	Permanet SU																									500 mtrs	5Years		IP68
	Permanet +																									500 mtrs	5Years		IP68
	Permanet TM																									1000 mtrs	5Years		IP68
	SoundSens			**																						500 mtrs	Rechargeable		IP68
	PCorr																									500 mtrs	5Years		IP68
SebaKMT	SmartEAR																									500 mtrs	9 years		IP68
	SmartEAR+eC																									1000 mtrs	7 years		IP68
	SmartEAR+eH																									1000 mtrs	9 years		IP68
FAST GmbH	BIDI Radio																									500 mtrs	> 5 years		IP68
	BIDI LoRa																									500 mtrs	> 5 years		IP68
	BiDi LTE																									500 mtrs	> 5 years		IP68
FIDO	FIDO Sensor																									500 mtrs	> 5 years		IP68
	Fido Sensor + Fido Relay																									500 mtrs	> 5 years		IP68

Gutermann * Correlation is possible up to 850 meters on hard materials and around 100-120 meters on plastic materials. Usually are typically spaced around 150-200 meters.

HWM Global **Bluetooth comms to app then Cellular to cloud