

# NM20

Noise Monitor

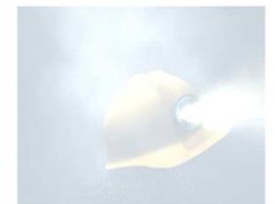


**FOR INFORMATION ONLY**

Revision 01

## TABLE OF CONTENTS

INTRODUCTION	3
BEST INSTALLATION PRACTICE	4
SAFETY INFORMATION	4
ORDERING INFORMATION (MODEL DESCRIPTION)	5
APPROVALS	5
ELECTRICAL SPECIFICATIONS	5
MAINTENANCE PROCEDURES	6
TERMS AND CONDITIONS	7



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## INTRODUCTION

This manual has been prepared to enable the end user to set-up the NM20 with easy to understand terms and procedures.

### About the NM20

The NM20 is a stand-alone sophisticated noise monitoring device which is designed to monitor noise levels of working environments where noise levels are required.

The comprehensive list of Ningi noise monitoring devices is listed below;

- NM20 - 200mm Noise Monitor
- NM30 - 300mm Noise monitor
- NM30W - 300mm Noise monitor with Web Service
- NM60 - 600mm Noise monitor
- NM60W - 600mm Noise monitor with Web Service
- NM61 - Remote Noise sensor
- NM62 - Remote Noise Sensor with Relays
- NM63 - Remote Noise Sensor with Siren/Buzzer)
- NM63R - Remote Noise Sensor with Siren/Buzzer and Relays out
- NM64 - Remote Noise Sensor with level Relays
- NM61R - Standalone Remote Noise Sensor with Relay Contacts
- NM65 - Remote Noise Sensor with 485 Communication

The NM20 Stand-Alone model operates solely as a stand-alone noise level visual indication device however additional features can be offered in alternative models such as;

- Remote sensors (not available for the stand-alone model – please enquire regarding optional model features)
- Wireless communications (not available for the stand-alone model – please enquire regarding optional model features)
- Flashing red headphones indicating preset noise level (available as Stand-alone and customizable) has been reached (hearing protection to be worn)
- Method of measurement - Equivalent Continuous A-weighted sound pressure level LAeq
- 8 – hour Time Weighted Averages (TWA) – are an average value of exposure over the course of an 8-hour work shift (not available for the stand-alone model)



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– please enquire regarding optional model features)



## BEST INSTALLATION PRACTICE

The NM20 should be installed in a location visible to eye contact where noise levels are likely to be breached.

Specific installation methods may apply depending on the model type.



## SAFETY INFORMATION

Dangerous voltages can occur on the connectors, even if the auxiliary voltage has been disconnected.

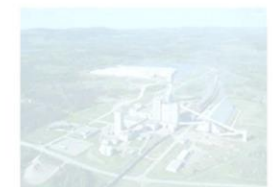
Only a certified electrician is allowed to carry out the electrical installation.

Breaking the seal on device will result in loss of warranty.

Electrical safety regulations must always be followed.



The unit is sealed during the production process and should under no circumstances be opened.



## ORDERING INFORMATION (MODEL DESCRIPTION)

- NM20 - 200mm Noise Monitor
- NM30 - 300mm Noise monitor
- NM30W - 300mm Noise monitor with Web Service
- NM60 - 600mm Noise monitor
- NM60W - 600mm Noise monitor with Web Service
- NM61 - Remote Noise sensor
- NM62 - Remote Noise Sensor with Relays
- NM63 - Remote Noise Sensor with Siren/Buzzer)
- NM63R - Remote Noise Sensor with Siren/Buzzer and Relays out
- NM64 - Remote Noise Sensor with level Relays
- NM61R - Standalone Remote Noise Sensor with Relay Contacts
- NM65 - Remote Noise Sensor with 485 Communication

## APPROVALS

The NM20 – EXiA model is approved for Intrinsic Safe (IS) applications

The NM20 - non-IS model is a standard 115/230Vac type and is NOT approved for Intrinsic Safety applications.

## ELECTRICAL SPECIFICATIONS

	Min	Typical	Max	Unit
Operating voltage non-IS model	100	115/230	240	Vac
Operating voltage IS model	9	12	24	VDC
Power consumption		3	5	W
Communication channel 802.15.4 (MODBUS RTU) (Communications models only)		9600		Bps
Relay contacts AC Voltage			250	Vac
Relay contacts DC Voltage			30	VDC
Relay contacts Current Rating (NM61R x3) (NM62 x1)			6	A

## COMMUNICATIONS

The NM20 stand-alone device is not fitted with the communications option, please refer to other Noise Monitor models if communications are required or enquire with your local Ningi representative about other Noise Monitor model types.

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## MAINTENANCE PROCEDURES

The NM20 should be cleaned regularly with a dry cloth to ensure clear visibility of the indications given.

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