QUANTURA
THE SCIENCE OF SAFETY

PRODUCT DATASHEET
Hearing Protection

SNR
−38 dB

DISPENSER SYSTEM

Sonara™ Station

QNT-SNR-140 Earplug Dispenser System

CE APPROVED | ANSI S3.19



SNR	NRR
38 dB	**32 dB**

SPECIFICATIONS

Material	Body: transparent PVC · Outlet: PS · Base & wall plate: black ABS · Knob: PP+PE (2:1) · Earplugs: slow-rebound PU foam
Color	Dispenser: clear PVC barrel + black base; Earplugs: orange
Noise Reduction	SNR 38 dB / NRR 32 dB
Capacity	500 pairs PU foam earplugs (pre-filled, refillable)
Feature	Gravity feed, easy one-hand dispensing, wall-mount or desktop, refillable, dust-proof transparent container
Certification	CE EN 352-2:2020 / ANSI S3.19
Packing	Individually wrapped

STANDARD PACKAGING

Dispenser	Individual inner box per unit
Inner box	1 unit · 21.5 × 20 × 39 cm
Carton	4 boxes · 45 × 42 × 41 cm

APPLICATIONS

Compliant with relevant PPE standards against hazardous noise exposure.

Manufacturing · Construction · Airport Ground Service · Mining · Shooting Ranges · Sleeping · Studying · Travelling

CORE ADVANTAGES

01 Gravity-fed One-hand Dispensing
Gravity feeding lets workers take one pair with a single hand, quickly — improving efficiency at high-traffic industrial workstations.

02 Dust-proof Transparent Barrel
The clear PVC cylinder keeps earplugs away from dust and contamination, and staff can check remaining stock at a glance for timely refill.

03 Flexible Installation
Stands on a desk or mounts on a wall with the ABS plate. Saves workspace — ideal for production lines, workshop entrances and safety stations.

04 Refillable & Cost-saving
The dispenser is reusable: buy only earplug refills once depleted, reducing long-term PPE cost compared with individual sachet packing.

05 High-performance Earplugs Included
Supplied with orange slow-rebound PU foam earplugs, SNR 38 dB / NRR 32 dB, for reliable protection in continuous high-noise environments.

EN 352-2:2020 · ATTENUATION DATA

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean attenuation (dB)	30.1	34.2	41.0	41.7	38.2	45.2	45.7
Standard deviation (dB)	3.9	4.0	4.1	4.7	3.0	4.1	4.6
APV (dB)	26.2	30.2	36.9	37.0	35.2	41.0	41.1

SNR
38 dB

SNR = 38 dB	H = 37 dB	M = 36 dB	L = 32 dB
SNRm 40.8 · SNRs 2.9 dB	Hm 40.1 · Hs 2.9 dB	Mm 39.5 · Ms 3.2 dB	Lm 36 · Ls 3.6 dB

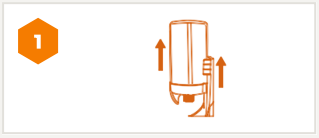
ANSI S3.19-1974 · ATTENUATION DATA

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean attenuation (dB)	40.6	41.6	46.8	43.3	39.4	47.6	48.6
Standard deviation (dB)	5.7	5.8	5.2	4.6	4.5	3.4	3.3

NRR
32 dB

USER INSTRUCTIONS

Dispenser refill



1. Hold base; slide canister up
2. Flip; twist lid right to unlock
3. Lift the lid off the canister
4. Refill, close lid, refit to base

Earplug fitting



1. Roll into a tight cylinder
2. Pull ear up; insert; hold 30–60 s
3. Correct: base at canal opening
4. Incorrect: part sits outside

Important: If these instructions are not followed, the protection provided will be considerably reduced. Remove earplugs slowly with a twisting motion to gradually break the seal — rapid removal may damage the eardrum. Inspect regularly and replace damaged plugs immediately. Not recommended for diving. Keep away from children — choking hazard.

NRR EXAMPLE

1. The environmental noise level as measured at the ear is 92 dBA.
2. The NRR is 24 decibels (dB).
3. The level of noise entering the ear is approximately equal to 68 dBA.

The level of noise entering a person's ear, when a hearing protector is worn as directed, is closely approximated by the difference between the A-weighted environmental noise level and the NRR.

CE 2777
EN 352-2:2020

ANSI S3.19-1974

Notified Body: SATRA Technology Europe Ltd, Bracetown Business Park, Clonee, Dublin, D15 YN2P, Ireland. Notified Body No. 2777. SATRA Technology Europe is responsible for both EU type examination & ongoing conformity.