3M™ Peltor™
Technical Datasheet



PELTOR™

Peltor™ Twin Cup Headset, ATEX

MT72H540P3E-50

Product description

The **Peltor™ Twin Cup Headset , ATEX** has high-attenuating shells with optimised acoustic design and excellent space for the ears. Noise compensated microphones for clear and reliable communication. The P3E-version is for helmet attachment and fits all 3M™ Peltor™ helmets and most other helmet brands on the market. ATEX approved.

Article number	Description	3M ID number
MT7H72H540P3E-50	Twin Cup headset, helmet attachment	XH001674254

Key Features:

- ATEX approved for use in areas where intrinsic safety is required
- Dynamic noise cancelling microphone
- Twin-Cup technique for increased attenuation



Application:

The Peltor™ Twin Cup headset, ATEX-approved, is designed to be used in industrial areas where intrinsic safety is required.

Accessories:

Article number	Description	3M Id number
HY13	Hygiene kit	XH001659297

Standard and Approval:

MT72H540P3E-50 is in conformity with the provisions set out in the PPE directive 89/686/EEC, the EMC directive 2004/108EC and the ATEX directive 94/9/EC. Thereby it fulfils the requirements for CE marking.
The product has been tested and approved in accordance with EN352-3:2002, EN352-6:2002, EN 60079-0:2006, EN60079-11:2007. The product has been verified according to: EN 61000:6-2:2005.

The product has been examined by:
FIOH, Finnish Institute of Occupational Health, Topeliuksenkatu 41 a A, FI-00250, Helsinki, Finland Notified body #0403
NEMKO, Gaustadalléen 30 N-0373 OSLO, NORWAY Notified Body #0470

The product has been approved for use in potentially explosive environment according to ATEX directive and IEC Ex.
Product marking: II 2G Ex ib IIC T4 -20°C ≤ Ta ≤ +50°C
IEC Ex certificate number: IECEx NEM 09.0005X

3M™ Peltor™ Technical Datasheet

Technical Data Specifications:
Materials:
Helmet attachment: stainless steel
Cups: ABS
Ear cushions: PVC covered PU foam

Microphone:
Type: noise cancelling dynamic microphone
Sensitivity: -60dB+-3dB (0dB=1V/Pa @ 1 kHz)
Impedance: 230 Ω +20% -10%

Cable and connector:
0.5–1.4-m cable curled PU with connector type TP-120

Storage:
Recommended storage conditions: -55º C - +55º C, <90% humidity
Recommended maximum shelf life: 5 years except the batteries: <1 year

Use limitation:
Never modify or alter this product

Warranty:
The warranty does not cover any damage caused by neglected maintenance or careless handling. For more information on maintenance, please see the user instruction. For complete warranty condition, contact your dealer or local 3M office.

Attenuation
MT7H72H540P3E-50

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean attenuation (dB)	20,7	18,9	24,4	32,7	35,3	33,3	41,0	39,4
Std deviation (dB)	2,6	2,3	1,8	1,7	2,6	2,7	3,0	3,2
APV (84%)*	18,2	16,6	22,6	31,0	32,7	30,6	38,1	36,2

*Assumed Protection Value (dB)

SNR=33 db H=33 db M=31 db L=24 db

Important Notice:
3M does not accept liability of any kind, be it direct or consequential (including, but not limited to, loss of profits, business and/or goodwill) arising from reliance upon any information herein provided by 3M. The user is responsible for determining the suitability of the products for their intended use. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.

3M Occupational Health &
Environmental Safety Division
3M Svenska AB, Box 2341
SE-331 02 Värnamo
Sweden
Phone: +46 (0) 370 65 65 65
Fax: +46 (0) 370 65 65 99
Email: peltorcommunications@mmm.com
Internet: www.3M.com/Peltorcomms

Please recycle. Printed in Sweden.
© 3M 2012. All rights reserved.

CDS1010032 Peltor™ Marketing Communication