

General-purpose Microphone Amplifier with Adjustable Gain

DESCRIPTION

- General-purpose microphone amplifier.
- Adjustable gain 10 → 40 dB.
- Provides easy “sensitivity-matching” between low-output microphones and transceivers requiring high input level.
- Small, cylindrical amplifier housing.
- Phantom power supply through AF output cable.
- Supply voltage: 5 - 15 V DC.
- Nominal AF load impedance: 600 Ω.
- EMC-protected.



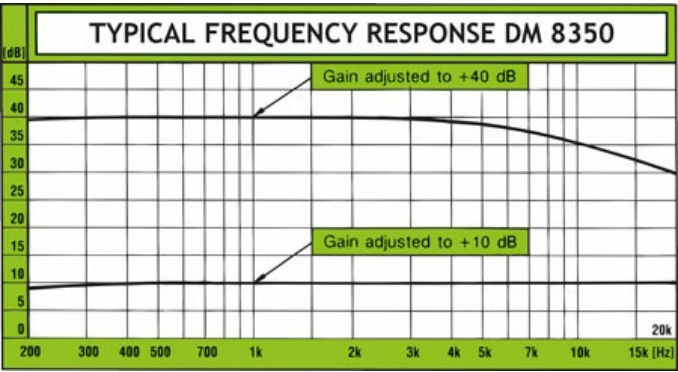
SPECIFICATIONS

Electrical	
Model	DM 8350
Type	Microphone amplifier
Impedance	Input impedance : Approx. 2 kΩ Output load impedance: Nom. 600 Ω
Frequency Response	0.2 ±20 kHz (See diagram below)
Power Supply	5 - 15 V DC (To be supplied from radiotelephone or hands-free kit (Phantom supply via the microphone cable) Specifications given @ 10 V DC
Current Consumption	(Amplifier only) : Approx. 2 mA
Max. Input	6 mVRMS at max. sensitivity of microphone: -40 dB at 1 kHz rel. 1 V/Pa
Max. Output	600 mVRMS in 600 Ω (Before clipping occurs)
Mechanical	
Connection(s)	Supplied open-ended
Materials	POM
Cable	0.3 m 1-wire with shield
Dimensions	12 x 59 mm / 0.47 x 2.32 in.
Environmental	
Operating temperature range	-30 °C to +70 °C
Storage Temperature Range	-40 °C to +80 °C

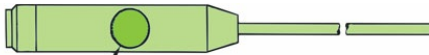
ORDERING

Model	Product No.
DM 8350	270000064

TYPICAL RESPONSE CURVE

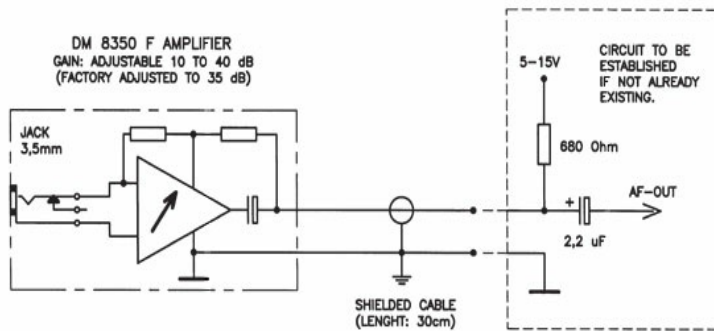


## ADJUSTMENT SCREW



ADJUSTMENT SCREW  
BELOW BLACK LABEL  
ADJUSTMENT TOOL: SCREWDRIVER WITH APPROX. 1,4mm BLADE WIDTH

## FUNCTIONAL DIAGRAM



## EU AND UK DECLARATION OF CONFORMITY

Hereby Amphenol Procom declare that the product type DM 8350 is in compliance with EU Directive 2014/30/EU and the UK Electromagnetic Compatibility 2016 (S.I. 2016 No. 1091).  
The full text of the Declaration of Conformity is available at:

<https://amphenolprocom.com/images/shop/catalog/pdf-for-catalogues/Declaration-of-Conformity-DM8350.pdf>