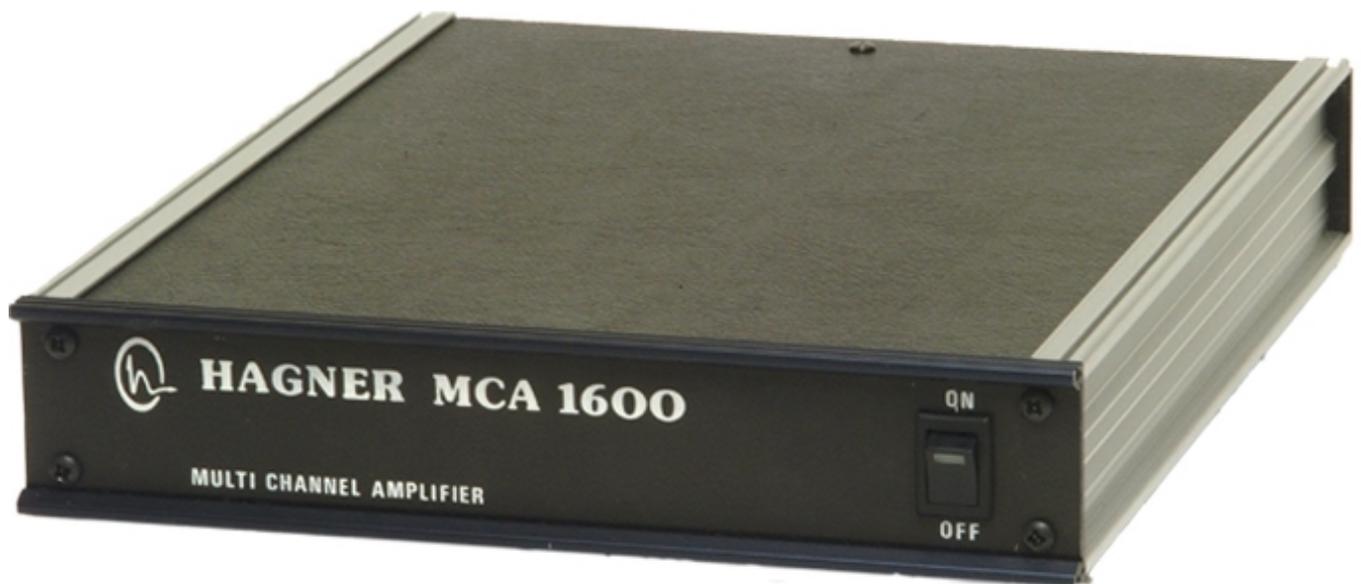




MCA-1600

MULTI-CHANNEL AMPLIFIER



For use where several simultaneous photometric measurements are required

The Hagner MCA-1600 Multi-Channel Amplifier

The Hagner Multi-Channel Amplifier is designed for use where several simultaneous photometric measurements are required. Such applications include:

- Measurement of distribution from light sources.
- Control and regulation of lighting in large buildings, such as theatres, sport arenas etc.
- Control of switching functions in high voltage switchgear areas. (Detection of arcing.)

The MCA-1600 includes the required number of input terminals, up to a maximum of 16 channels, each with its own amplifier.

A Hagner photometric or radiometric detector, either a standard type or specially designed, can be connected to each input channel.

Each channel has an output for the connection of a voltmeter, recorder, data logger etc, all calibrated to the requirements of the user. The accuracy is better than +/- 3%, while the amplifiers are temperature compensated, so that the drift is less than 0.05% /°C.

The output signal from each channel will be calibrated as 0-2 volts for a measured variable of 0-E lux or 0-W W/m². The values of E and/or W being specified by the user. Examples might be 0-2,000 lux or 0-20.00 W/m².

Price and delivery can be quoted following receipt of full details of user requirements.

The advantage of the MCA-1600 for multi-channel applications is that it will be considerably cheaper, and neater, than using several separate photometers.

Technical data

Input	1-16 Hagner Detectors, types SD1 up to SD12
Output	1-16 at 0-2 volts DC (1 kΩ)
Accuracy	Better than +/- 3%
Temperature range	0-40°C
Temperature drift	Less than 0.05% /°C
Power supply	9-12 volt DC (Battery eliminator not included)
Dimensions	216 x 260 x 44 mm

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