

Antenna tuning station AAG2

Order-number: MAQ 02110

frequency measurement for antennas of radio clock aerials with comparison data for an receiving with one frequency or receiving for more frequency



Antenna tuning system

Application range :

- capacitive comparison of one- and more-frequency-aerials for reception of time signal
- Compensation of easy aerials by change of the inductance (windings to switch of the ferrite rod)
- Measuring of the resonance frequency of one and more frequency aerials
- Measuring of the goodness of aerials
- Combined comparison of more-frequency-aerials (1. comparison by pushing and 2.fine comparison of other frequency with condensers)

Functions :

- Comparison area 30 kHz to 100 kHz
- Control of the change-over for aerials
- Memory for device settings
- external start of the measurements (e.g., from needle adaptor)
- Automatic adaptation to different aerials
- Assessment of the measuring results
- Operation + display with 5 buttons and a two-lined, illuminated display (24 characters each)
- An easy menu-steered input and result representation
- optional production of customised controls about RS232 or USB (e.g., printer, PC, among other things)

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Technical data :

<i>Parameter</i>	<i>value</i>	<i>Condition</i>
Aerial circles	max. 4	
Comparison area	30kHz bis 100kHz	
Comparison window	±500Hz	
Comparison capacity	5pF bis 1 nF	
Signal flow Aerial circles	open collector low aktiv	
Comparison time	Approx. 1.5see resonance frequency	
Operating temperature	10° - 35°C	
Humidity	0% - 80%	not condensing
Power supply	230V ~ 12V = 0,5 A =	
Dimension Control device	247 x 97 x 180 mm	
Weight without / with power supply	1,65kg / 1,8kg	
Dimension measuring head	95 x 95 mm	
Connecting pipe measuring head	2,0 m or 1,0 m	