

# Upcoming product line **consolidation**

## New Millimar® C 1202 Amplifier

Building off of the successful C 1200 bench amplifier with an HD display, ease of use, high performance and great value, Mahr is introducing the new C 1202, our next generation of length measuring instruments. The C 1202 is a more powerful and capable bench amplifier for electronic probes and air gaging.

The C 1202 will be built upon the combination of the display format of the C 1200 and be combined with the input flexibility of the N 1700 Millimar module system. This will allow the C 1202 to be configured for up to 2 LVDT's, 2 digital probes or 2 air modules. This modular system allows for easy configuration for most bench gage applications. Along with allowing for up to two input channels, the C 1202 will provide the capability of providing 3 measurement results configurable with full equation capabilities. Now the user can measure two lengths and the difference, or display two diameters and calculate the taper angle – all on a bright, clear HD display. Other important features of the C 1202 include:

- With an N 1700 module, the C 1202 becomes a measuring instrument
- One display unit for many applications, different N 1700 modules can be connected
  - Maximum 2 measuring channels e.g.: 1 x N 1702 M for inductive probes or 2 x N 1701 PF for air gaging systems
  - Maximum 3 measuring features
- N 1700 measuring modules include
  - N 1702 M/T/U for 2-input module, LVDT modules for Mahr, TESA or Marposs probes to 1 µm / 5µm resolution
  - N 1702 M-HR for high resolution module for up to 0.01 µm/0.5 µm resolution
  - N 1701-PF, air to electronic modules, single input for Mahr 2500/5000 2-jet tooling, Mahr 2500/5000 4-jet tooling and Mahr 10,000 high magnification tooling. Two Air modules can be connected to the C 1202.
- Static measurement: length and angle e.g. taper angle
- Angle display in decimal degrees / degrees: minutes: seconds / radians
- Dynamic measurement: Max, Min, Max-Min, (Max + Min)/ 2 tolerances and warning limits
- Time-controlled measurement: measuring time, break time, start delay
- 1-point and 2-point master measurement, each feature individually or together
- Up to 3 features, individually activated for display
- User-selectable input for send data, master measurement, clear max min, measure, time, start, stop
- Different settings can be saved, allows quick configuration

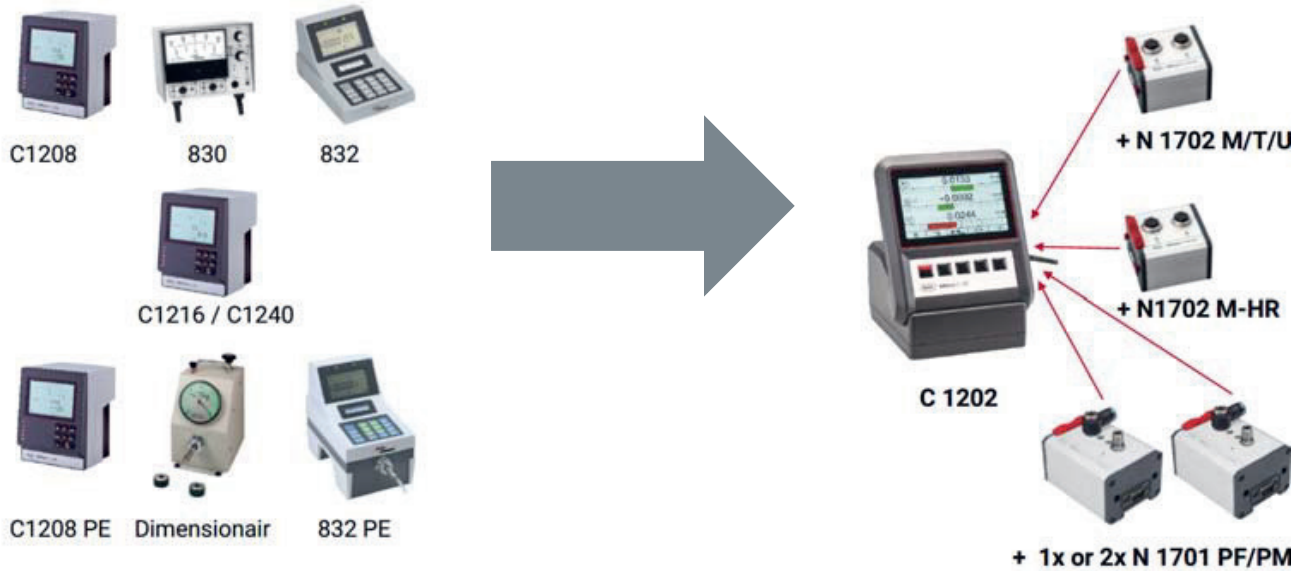


# Product Line Consolidation

With the powerful features and configuration capabilities found in the new Millimar C 1202, there are now duplicate products within Mahr's Millimar length evaluation product line. Because of this, Mahr is announcing the upcoming discontinuation of many of our existing evaluation units. The existing products will be available through the end of 2021. After January 1, 2022, only stock on hand inventory will be available and no new products will be

produced. The product lines to be discontinued January 1, 2022 include: Millimar products – C 1208 (LVDT/Air), 830, 832 (LVDT/Air), C 1216, C 1240, Dimensionair®, Universal Dimensionair

Mahr will continue to accept orders and manufacture these products through the end of the year. Mahr will strive to provide spare parts and service capabilities for a minimum of 3 years or as long as sourced parts can be provided.



# Product Cross Reference Guide

The following table provides examples of C 1202 replacement configurations for product models that are to be discontinued. Other configurations for air tooling of 4-jet or high magnification

are available. Prices are current list and promotional saving may be applicable. Contact Mahr Technical Support for pricing and other configurations.

Order No.	Model	Suggested Replacements for 830, 832, C 1208, C 1216 LVDT Standard Resolution Applications
5312025	C 1202	Millimar bench evaluation unit with power supply and micro SD card. Measuring module not included.
5331120	N 1702 M	Induction probe module, 2 Mahr LVDT, resolution to 0.1 µm / 5µin

Order No.	Model	Suggested Replacements for 832, C
5312025	C 1202	Millimar bench evaluation unit with power supply and micro SD card. Measuring module not included.
5331125	N 1702 M-HR	Induction probe module, 2 Mahr LVDT, resolution to 0.01 µm / 0.5µin

Order No.	Model	Suggested Replacements for 832PE, C 1208PE and Dimensionair Single Channel Air Applications
5312025	C 1202	Millimar bench evaluation unit with power supply and micro SD card. Measuring module not included.
5331155	N 1701 PF	Module for Mahr Federal air tool 2500:1 / 5000:1 in
2258471	Air kit	Air filter/regulator for up to three modules

Order No.	Model	Suggested Replacements for 832PE, C 1245PE Dual Channel Air Applications	L
5312025	C 1202	Millimar bench evaluation unit with power supply and micro SD card. Measuring module not included.	\$1,590
5331155 (x2)	N 1701 PF	Module for Mahr Federal air tool 2500:1 / 5000:1	
2258471	Air kit	Air filter/regulator for up to three modules	
5312950	Extension rail	Extension rail for connecting two modules to C1202	

## Probe Consolidation

At the same time, Mahr will begin to phase out the Mahr Federal compatibility of LVDT's and probes. These are the probes originally manufactured by Federal/Mahr Federal/Mahr that have the designation "F" on their current cables.

These include the current "F" probes: P2004, lever style and panto style gage heads. These probes will continue to be made for the next two years. For future product needs, Mahr-compatible probes will be recommended on all new applications.



## The Capable C 1202 Bench Evaluation System

The new Millimar C 1202 is capable of providing solutions to all current bench amplifier gaging needs, whether they are LVDT, digital probe or air applications.

Mahr is excited about the new features and capabilities of the C 1202. If you have any questions or require further assistance, please contact Product Management at Mahr Inc., Providence, RI.