

New Magnetic Pickup Replacement for Pickup P/N 66.60.001-250

With the new magnetic pickup, MOTORTECH presents another sensor from its own development and production.

The pickup is designed for position detection of the camshaft or crankshaft as well as speed detection on stationary gas engines and reliably supplies the control units with the signals required to determine the ignition timing and speed.

The pickup has been developed primarily as a direct replacement for the magnetic sensor currently in use (P/N 66.60.001-250). In addition to maximum compatibility, the focus was on the highest quality standards in development and production and thus on reliability.

With almost identical installation dimensions, the new magnetic pickup is ideally suited for use on existing and new installations.

- 1** Connection part with 2 pole connector and 5/8-24 UNEF-2A thread
- 2** The integrated hexagon (wrench size 17 mm) facilitates mounting



FEATURES & ADVANTAGES

- > Integrated hexagon (wrench size 17 mm) facilitates mounting
- > Increased reliability
- > High delivery capacity
- > Made in Germany

COMPATIBILITY

- ✓ Compatible with all MOTORTECH ignition controllers of the MIC100/3/3+/4/5/6 as well as MIC500 and MIC850 series
- ✓ When replacing to the new magnetic pickup, no adjustment to the general controller configurations¹⁾ or input wiring is required

The new pickup is available immediately and will soon replace the magnetic sensor P/N 66.60.001-250 in the MOTORTECH product portfolio. With the current introduction of the new pickup, it will also become a regular component of MOTORTECH ignition systems and sensor harnesses.

¹⁾ After replacement, the ignition timing should always be checked. It may then be necessary to adjust the ignition timing in the configuration.

COMPARISON OF TECHNICAL DATA (EXTRACT)

Feature	P/N 66.60.001-250	P/N 66.60.001-5818-064
Measuring principle	magnetic	magnetic
Thread size	5/8-18 UNF-2A	5/8-18 UNF-2A
Length	Thread	63.5 mm
	Pickup total	92.0 mm
Pole connector	2 pole, pin, 5/8-24 UNEF-2A	2 pole, pin, 5/8-24 UNEF-2A
Triggered by	holes, pins, teeth, screws	through holes, metal inserts, blind holes, slots, screws, pins, teeth
Enclosure material	stainless steel	stainless steel
Protection class	not specified	IP68
Resistance	1.200 Ω ± 20%	1.200 Ω ± 20%
Inductivity	450 mH ± 20%	450 mH ± 20% at 1 kHz / +25 °C
Permissible temperature range	-40 °C to +110 °C (-40 °F to +230 °F)	-40 °C to +110 °C (-40 °F to +230 °F)
Output voltage	min. 150 V (peak - peak) at following conditions: gear: 60 teeth, 20 pitch speed: 1.000 teeth/second air gap: 0.127 mm load: 100 kΩ	Refer to technical data sheet „Nominal Voltage / Speed“: gear: 60 teeth air gap: 0.5 mm load: 10 kΩ, 33 kΩ, 100 kΩ

Further information on the new magnetic pickup can be downloaded from the MOTORTECH homepage using the following links:

Technical Data Sheet

<https://www.motortech.de/infocenter/download-center/technical-data-sheets.html>

Installation Instructions

<https://www.motortech.de/infocenter/download-center/operating-manuals.html>

ORDERING INFORMATION

P/N	Description	Thread Size	Thread Length	Supersedes	Equivalent to
66.60.001-5818-064	Pickup, magnetic	5/8-18 UNF-2A	63.5 mm (2.50 in)	66.60.001-250, 06.60.102	691118-2

⚠ Note: Check Ignition Timing

Please note that when replacing a pickup, the ignition timing should always be checked.