OMRON

DC 3-Wire/DC 2-Wire

Welding Proximity Sensors

E2EW Series

INTEGRATED | INTELLIGENT | INTERACTIVE

- Exceptional sensing range*
- Stable detection for both aluminum and iron
- 7mm full metal body[†]
- M12 quadruple distance models



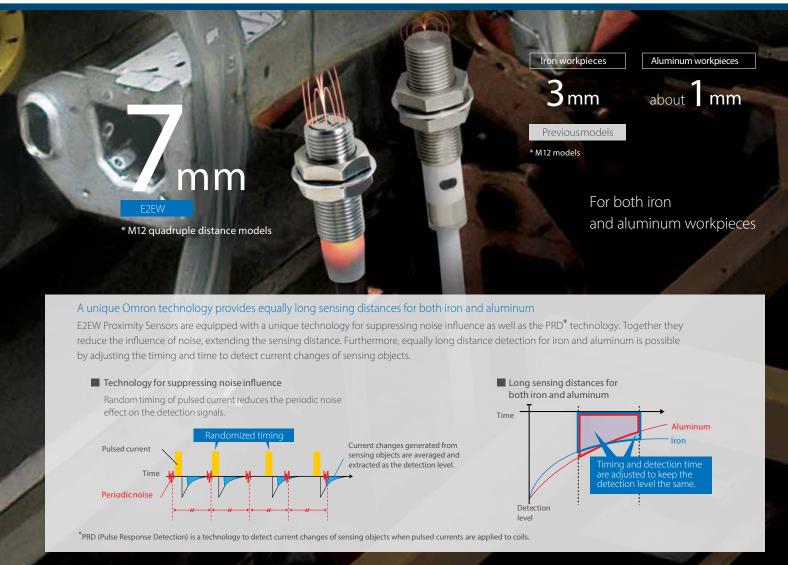
† Equivalent sensing distances for Iron and aluminum.

Exceptional sensing range

Equal sensing distances for iron and aluminum



- Standardize on a single sensor for iron and aluminum detection
- Reduced design work and enhance operation rates
- Reduce false detection and sensor damage with exceptional sensing distance
- Detect iron and aluminum stably in weld environments





Long-lasting spatter resistance

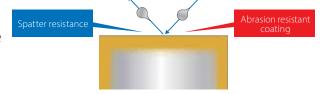
Lasts 60 times longer than previous Omron models



Technologies for increasing spatter resistance

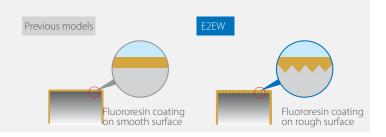


Omron has developed a better adhering, longer lasting coating to reduce the effect of abrasion on the protective coating and extend sensor life span.



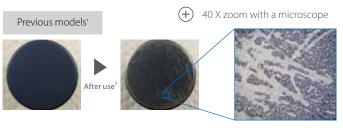
■ Technologies to prevent coating abrasion

Omron's unique coating film formation technologies coupled with a specially treated base surface greatly reduces abrasion, to approximately 1/60 of previous models.

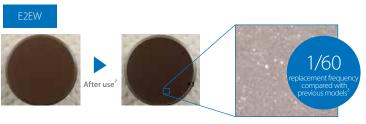


Fewer sensor replacements needed

Abrasion resistant coating reduces maintenance work



Coating comes off quickly even with a spatter-resistant model.



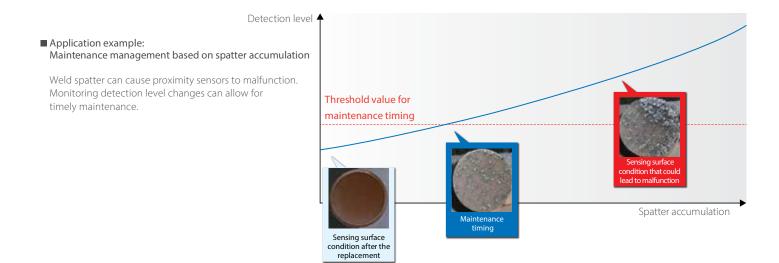
Abrasion resistant coating



Detection level visualization

A real-time view of how the proximity sensors are detecting objects provides understanding of everyday changes in facility conditions that may not be visible to the naked eye.

*PREMIUM Models only



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