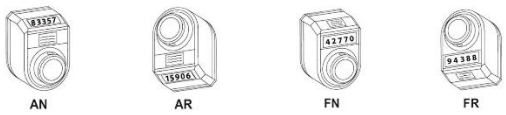
PRESS RELEASE
01.2026

ELESA+GANTER DD Series: Advancing Precision from Mechanical Counters to Wireless Shaft Monitoring



In the era of Industry 4.0 and digital transformation, the pressure on manufacturers to reduce changeover times and eliminate human error has never been greater. The ELESA+GANTER DD Series responds to this challenge by providing a comprehensive, scalable ecosystem for shaft position feedback. This series facilitates a seamless technological transition, moving from compact mechanical counters to programmable electronic displays and, ultimately, sophisticated wireless PLC integration.

Specifically engineered for machine builders and automation integrators in the packaging, food processing, printing, and pharmaceutical sectors, the DD Series utilizes a "direct-drive" mounting principle. Each unit is designed to mount directly onto the machine spindle via a precision-reamed bushing, ensuring that positional data is captured at the source with absolute fidelity.

Mechanical Indicators: Robust Design and Enhanced Readability

For applications requiring high-precision feedback without external power, the mechanical DD models provide a robust, long-service-life solution. Constructed with high-resistance polyamide-based technopolymer housings, these units are available in four viewing orientations—AN (inclined/upper), AR (inclined/lower), FN (front/upper), and FR (front/lower) to accommodate diverse machine geometries.

- DD50: The ultra-compact entry point, weighing just 22 grams. It features a 3-digit counter and a Ø10 mm H7 bushing available in black-oxide steel or AISI 303 stainless steel.
- DD51: A 42-gram, 4-digit counter with a Ø14 mm H7 bushing. For environments subject to sustained vibration, the LB (Locking Device) variant features an ergonomic lever with two distinct positions: Pos. A (unlocked) and Pos. B (locked) to prevent accidental adjustment.
- DD52R: The most comprehensive mechanical model, weighing 97 grams, featuring a 5-digit counter and a Ø20 mm H7 bushing.

All mechanical models feature an additional graduated scale adjacent to the last decimal digit for heightened reading accuracy. For wash-down environments, IP67-rated executions are available, achieved via a specialized brass bushing equipped with a double seal ring to prevent liquid ingress.

Contact:
Rajinder Grover | +91-9205672030 | rajinder.grover@elesa-ganter.in

Elesa and Ganter India Pvt. Ltd
A-54 | Sector – 83 | Noida | Uttar Pradesh 201305

+91-120-4726666 | info@elesa-ganter.in

elesa-ganter.in

DESIGNED FOR ENGINEERING

PRESS RELEASE
01.2026


DD51-E


DD52R-E

Electronic Position Indicators: IP67 Protection and High Resolution

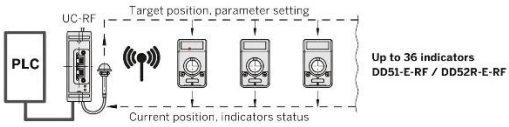
The transition to electronic indicators introduces superior resolution and configurability, essential for modern automation. A key advantage of the electronic range is the availability of IP67-rated executions, specifically engineered for high-moisture or wash-down environments where protection against liquid ingress is paramount. These models provide a resolution of 10,000 impulses per revolution and allow operators to toggle between absolute and incremental modes while displaying values in millimeters, inches, or degrees.

- DD51-E: Equipped with a 5-digit LCD (8.0 mm digit height), this model features an estimated battery life of 3 years. It utilizes an AISI 304 stainless steel boss with a Ø14 mm H7 hole.
- DD52R-E: Designed for maximum visibility with a 6-digit LCD (12.0 mm digit height). This unit offers an extended estimated battery life of up to 5 years. It utilizes an AISI 304 stainless steel boss with a Ø20 mm H7 hole.

To ensure continuous operation, these models feature front-access battery replacement. This allows maintenance teams to swap lithium batteries without removing the indicator from the shaft, effectively preserving alignment and all programmed configuration parameters.

Wireless RF Technology: Cable-Free Machine Network Integration

The pinnacle of the series is the DD-RF wireless system (Elesa Patent), a Red Dot Winner 2023 for innovative product design. By utilizing radio frequency (RF) data transmission to communicate with a UC-RF control unit, this system eliminates the logistical burden of complex cabling.



- System Scale and Safety: A single UC-RF control unit can manage a network of up to 36 indicators. This architecture enables PLC-integrated safety interlocking; the PLC can prevent the initiation of production cycles if any networked indicator has not reached its predefined target position.
- Estimated Battery Specifications:
  - DD51-E-RF: Up to 1.5 years.
  - DD52R-E-RF: Up to 2.5 years.

The RF system allows multiple machines to coexist in the same production environment without mutual interference, making it an ideal solution for rapid format-change operations.

Contact:
Rajinder Grover | +91-9205672030 | rajinder.grover@elesa-ganter.in

Elesa and Ganter India Pvt. Ltd
A-54 | Sector – 83 | Noida | Uttar Pradesh 201305

+91-120-4726666 | info@elesa-ganter.in

elesa-ganter.in

DESIGNED FOR ENGINEERING

PRESS RELEASE
01.2026

Electronic Position Indicators: IP67 Protection and High Resolution

The transition to electronic indicators introduces superior resolution and configurability, essential for modern automation. A key advantage of the electronic range is the availability of IP67-rated executions, specifically engineered for high-moisture or wash-down environments where protection against liquid ingress is paramount. These models provide a resolution of 10,000 impulses per revolution and allow operators to toggle between absolute and incremental modes while displaying values in millimeters, inches, or degrees.

- DD51-E: Equipped with a 5-digit LCD (8.0 mm digit height), this model features an estimated battery life of 3 years. It utilizes an AISI 304 stainless steel boss with a Ø14 mm H7 hole.

- DD52R-E: Designed for maximum visibility with a 6-digit LCD (12.0 mm digit height). This unit offers an extended estimated battery life of up to 5 years. It utilizes an AISI 304 stainless steel boss with a Ø20 mm H7 hole.

To ensure continuous operation, these models feature front-access battery replacement. This allows maintenance teams to swap lithium batteries without removing the indicator from the shaft, effectively preserving alignment and all programmed configuration parameters.

Wireless RF Technology: Cable-Free Machine Network Integration

The pinnacle of the series is the DD-RF wireless system (Elesa Patent), a Red Dot Winner 2023 for innovative product design. By utilizing radio frequency (RF) data transmission to communicate with a UC-RF control unit, this system eliminates the logistical burden of complex cabling.

- System Scale and Safety: A single UC-RF control unit can manage a network of up to 36 indicators. This architecture enables PLC-integrated safety interlocking; the PLC can prevent the initiation of production cycles if any networked indicator has not reached its predefined target position.

- Estimated Battery Specifications:
    - DD51-E-RF: Up to 1.5 years.
    - DD52R-E-RF: Up to 2.5 years.

The RF system allows multiple machines to coexist in the same production environment without mutual interference, making it an ideal solution for rapid format-change operations.

Contact:
Rajinder Grover | +91-9205672030 | rajinder.grover@elesa-ganter.in

Elesa and Ganter India Pvt. Ltd
A-54 | Sector – 83 | Noida | Uttar Pradesh 201305

+91-120-4726666 | info@elesa-ganter.in

elesa-ganter.in

DESIGNED FOR ENGINEERING