



Life Energy Motion

SPS 2019
Hall 3A – Stand 400

PRESS INFORMATION

LEM launches the ARU Rogowski coils for easy outdoor installation with Accuracy Class 0.5

LEM has developed its range of Rogowski coils as a sensor to measure current up to 300000 A AC with accuracy class 0.5 according to IEC 61869-10 and IEC 61869-6

Geneva, Switzerland – November 25th, 2019 – LEM, the market leader in providing innovative and high quality solutions for measuring electrical parameters, is pleased to announce the development of the Rogowski coils range to measure current up to 300,000 A AC with accuracy class 0.5. The ARU range achieves IEC 61869-10 class 0.5 without the need for additional components such as resistors or potentiometers to calibrate the coil, which can drift over time. The range benefits from 'Perfect Loop' technology, a unique patented coil clasp that eliminates the inaccuracy caused by sensitivity to the position of the conductor inside the loop. This technology provides an innovative, robust and fast 'Twist and Click' closure.

Compared with the previous LEM Rogowski coils ART, the ARU range can be installed outdoors as the models are compliant with UV, water, dust and ice resistance standards. The range has also ruggedized material to be durable in extreme environments (wide operating temperature range up to -40 to +80°C). Moreover, an internal shield is provided to protect against external fields, improving accuracy and optimising performance for small current measurements.

The ARU series provides the same ease of installation as existing split-core current transformers, but with the benefits of being thinner and more flexible.

Whatever the chosen dimension - 70, 125, 175, 250 & 300-mm diameter for the aperture – the ARU can be mounted very quickly by simply clipping on to the cable to be measured. Contact with the cable is not necessary, while the ARU models ensure a high level of safety as well as provide a high rated insulation voltage (1000 V Cat III PD2 - reinforced).

The ARU range allows the coil disconnection to be detected by a security seal passed through a specially designed slot, making it useful when used with a metering device. They can be used in applications requiring a protection degree up to IP 68.





Life Energy Motion

The models include an accuracy class 0.5 and complete the LEM product portfolio for the AC current measurement. LEM is dedicated to future distribution network applications and offers innovative and high-quality solutions for measuring electrical parameters into the Smart Grid.

The Smart Grid is in the middle of a radical transition, as millions of electric vehicles hit the roads and Terawatts of renewable energy capacity are installed in our grids. Smarter equipment is needed for the Smart Grid, providing reliable integration of intermittent renewable energies and distributed energy resources. LEM improves the grid by measuring electrical parameters, allowing control rooms to automate, monitor remotely and share real-time equipment data. Typical applications are Distribution Automation for Fault Detection, Isolation & Restoration, Grid Monitoring (e.g. Intelligent substations), Protection & Safety, Distribution Transformer Monitoring, Distribution Automation for Voltage Control and Power Quality.

The ARU series current sensors are CE marked and conformed to the IEC 61869 standard series, as well as being covered by LEM's five-year warranty.

LEM – Life Energy Motion

Leading the world in electrical measurement, LEM engineers the best solutions in energy and mobility, ensuring that customers' solutions are optimized, reliable and safe. Our 1,500 people in over 15 countries transform technology potential into powerful answers. We develop and recruit the best global talent, working at the forefront of mega trends such as renewable energy, mobility, automation and digitization.

With innovative electrical solutions, we are helping our customers and society accelerate the transition to a sustainable future.

Its core products - current and voltage sensors - are used in a broad range of applications in drives & welding, renewable energies & power supplies, traction, high precision, Smart-Grid, conventional and green car businesses.

LEM is a mid-size, global company with production plants in Geneva (Switzerland), Sofia (Bulgaria), Beijing (China) and Machida (Japan). With its regional sales offices close to its clients' locations, the company offers seamless service around the globe.

Listed on the SIX Swiss Exchange since 1986, the company's ticker symbol is LEHN.

www.lem.com

*****END*****

For further information please contact:

Stéphane Rollier
Product & MarComs Manager
Tel: +41 22 706 1449
E-Mail: sro@lem.com
Website : www.lem.com

Suzy Kenyon
Director
Tel +44 (0) 1243 531123
E-Mail suzy@napierb2b.com
www.napierb2b.com

LC281en



LEM

Life Energy Motion

