

The **G**ALVANO**S**CANNER **G**S02 makes current densities visible for everyone!



The **GalvanoScanner** is a measurement instrument which determines **in real-time** an **accurate** and **quantitative information** on the **current density distribution in an electrolyte bath**. Thus, the user gets measured and reliable predictions about the current density distribution and the success of provisions to improve the homogeneity of the coating. The unnecessary generation of high layer thicknesses can be avoided. The upper picture shows the measuring electronics (1) and the measuring probe (2) of the GalvanoScanner, the lower picture shows its front view. The measuring probe can be manually guided by the user in the electrolyte bath and moved freely in various directions. The local ion current density is detected by the sensor system of the measuring probe, forwarded to the measurement electronics for further processing and for displaying. The measured data can be output via CAN bus and recorded by PC. A menu with several control buttons available to implement user-specific entries and settings. Calibration of probes is possible. By means of simply measuring the current density distribution selective countermeasures can be taken, for example the use of conductive and non-conductive auxiliary cathode or cover plates, and checked the result in a short time. Thus **tremendous savings in raw material** and **energy consumption** and **increase of the productivity** can be achieved.

Technical Data:

- Measuring range : 0 - 100 A
- Measurement resolution : > 10 μ A, depending on measuring probe. 0.1 mA, using LP02
- Dimensions of measurement electronics : 220 mm x 170 mm x 85 mm (L x W x H)
- Supply voltage : 220 V a.c.
- Power consumption : 5.3 W
- CAN Interface : optional
- CE-certified