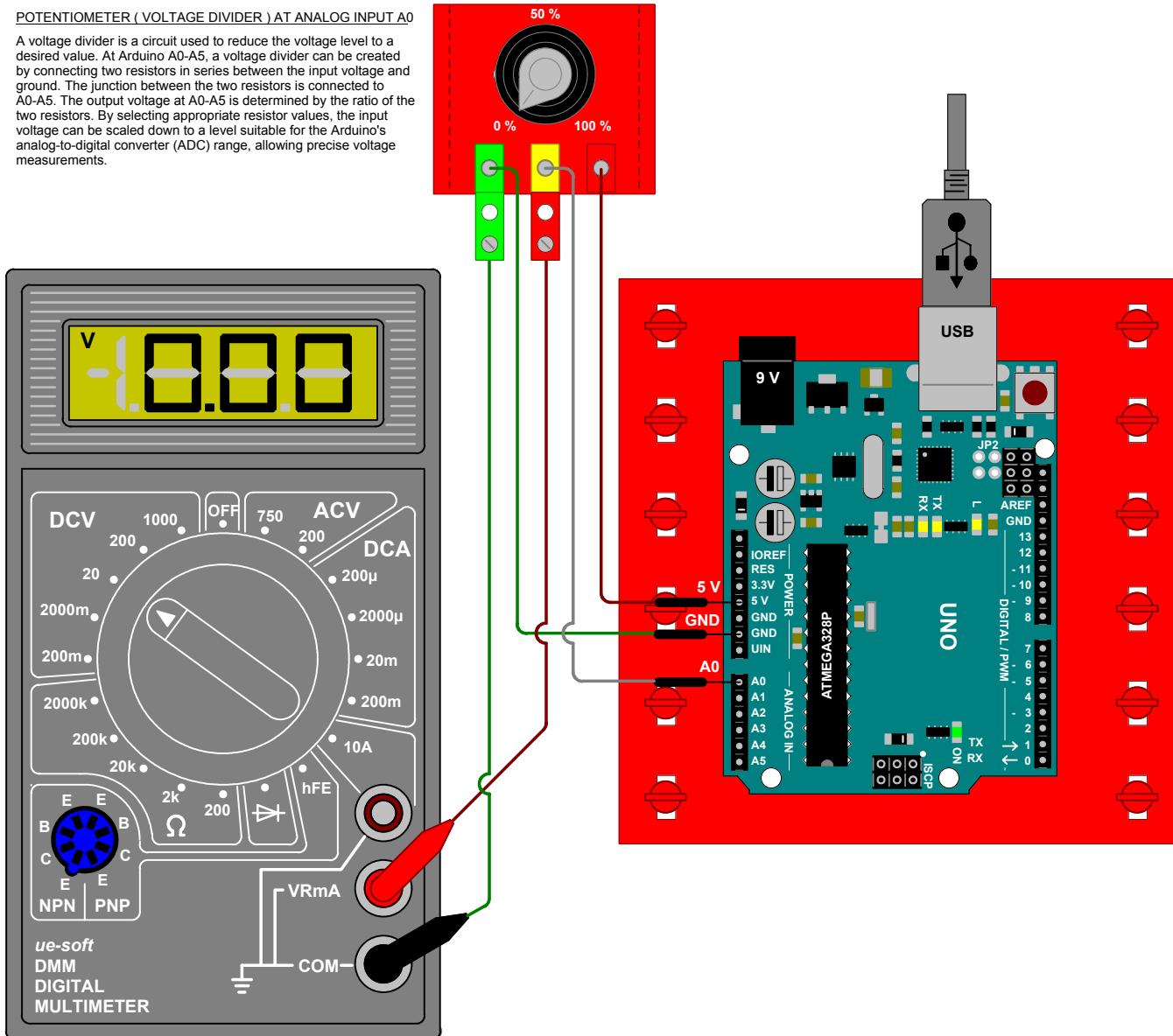


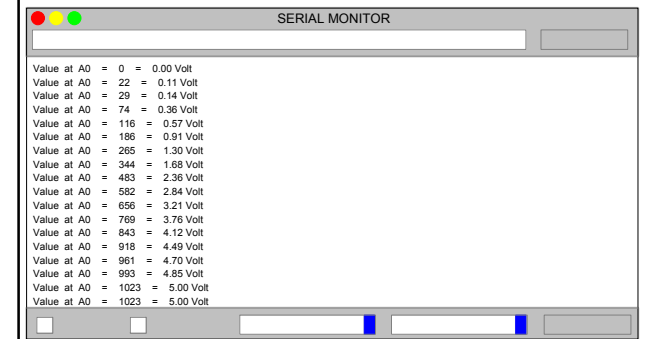
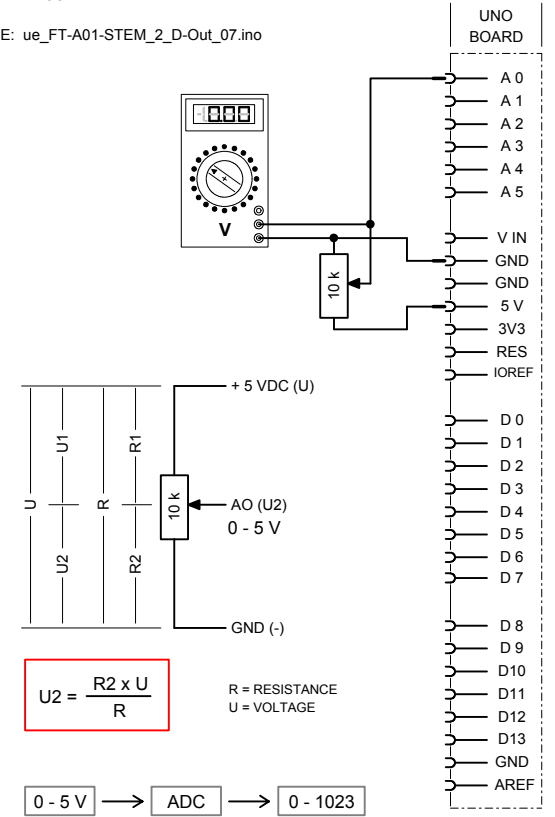
POTENTIOMETER (VOLTAGE DIVIDER) AT ANALOG INPUT A0

A voltage divider is a circuit used to reduce the voltage level to a desired value. At Arduino A0-A5, a voltage divider can be created by connecting two resistors in series between the input voltage and ground. The junction between the two resistors is connected to A0-A5. The output voltage at A0-A5 is determined by the ratio of the two resistors. By selecting appropriate resistor values, the input voltage can be scaled down to a level suitable for the Arduino's analog-to-digital converter (ADC) range, allowing precise voltage measurements.



POTENTIOMETER (VOLTAGE DIVIDER) AT ANALOG INPUT A0 SCHEMATICS :

CODE: ue_FT-A01-STEM_2_D-Out_07.ino



FIGURES ARE APROXIMATELY, DUE TO COMPONENT TOLERANCES!
FOR FULLY COMPONENT SPECS. SEE MANUFACTURER DATASHEETS.
BRANDS AND NAMES ARE MENTIONED PURELY FOR INFORMATION PURPOSES.

STEM-A01	A4	udo@elgers.com	ue-ERT20230708-01	08-JUL-2023
010	A	ANALOG INPUT & SERIAL MONITOR - EXP.: 07		