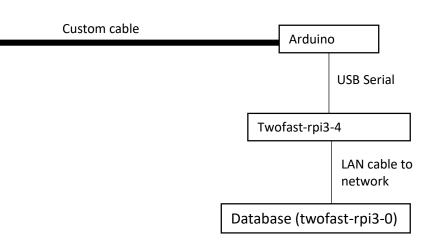# BROOKS mass flow readout

BROOKS

Pin connection

Number	PIN-D cable color	Description	Cable color in box	Arduino PIN
1	Green	Setpoint common	Brown	GND
2	Gray	Flow Signal 0-5 V	Green	A0
5	Red	Power Supply +13.5 to +27 VDC	-	-
8	Red-Blue	Setpoint Signal 0 - 5 V	Yellow	Pin 9
9	Black	Power Supply common	-	-
10	Brown	Flow Signal output common	Brown	GND
-	Aluminum mesh	Cable shield	Black	-

Custom cable

Arduino

USB Serial

Twofast-rpi3-4

LAN cable to network

Database (twofast-rpi3-0)

Table: *flow_meter_readout_live*
Columns: (time, read_voltage, id)

- Every night at 3 AM the *flow_meter_readout_live* table is appended into the table *flow_meter_readout_storage*

- Readout is started via the script flow_meter_readout_V0.py in ~/Documents/dash_NG/flow_meter/

- Use Start_flow_meter_readout.py in LTH_Neutimag\hkromer\17_github\phd_python\01_neutron_generator_control to start script via SSH