

MillerLab Pneumatic System Bill of Materials

Item	Vendor	Manufacturer	Part/Model No.	Cost Per Item (\$)	Quantity	Total Cost (\$)	Notes
Industruino IND.I/O Kit	Industruino.com	Industruino	32u4	\$ 124.43	1	\$ 124.43	The firmware used is small; we didn't need the Industruino with more memory
Omega Miniature I/P Transducer	Omega.com	Omega	IP610-030	\$ 398.00	1	\$ 398.00	Note: scroll down on webpage to find correct model no.
LED Wholesalers AC/DC Adapter	Amazon.com	LED Wholesalers	3261-24V 609207163480	\$ 35.00	1	\$ 35.00	The listed I/P requires at least 24V and Industruino can handle up to 32V
MettlerAir Push-to-Connect Round Fittings (Pack of 10)	Amazon.com	MettlerAir	MTCR 1/4-N02	\$ 16.37	1	\$ 16.37	Model listed is for 1/4" OD tubing. Choose fittings based on desired tubing diameter
Total Cost (\$)						\$ 573.80	
Recommended Items							
Ethernet Expansion Module	Industruino.com	Industruino		\$ 32.80	1	\$ 32.80	Optional. Allows connectivity with network servers
VIAR Inline Pressure Regulator	Amazon.com	VIAR	90150	\$ 29.93	2	\$ 59.86	One used to regulate pressure before I/P transducer. Other used as analog gauge in-line w/ digital gauge
Omega Digital Pressure Gauge	Omega.com	Omega	DPG1000DAR-30G-1N	\$ 485.00	1	\$ 485.00	Note: scroll down on webpage to find correct model no.
OnStage Stands Tabletop Rack Stand	Amazon.com	OnStage	R57030	\$ 29.95	1	\$ 29.95	Used with aluminum DIN rails to vertically mount components
Aluminum DIN Rails	Mouser.com	Schneider Electric	528-16-700DIN	\$ 6.69	3	\$ 20.07	Rails need to be cut in half to fit the rack stand. Number of rails is up to you
Grand Total (\$)						\$ 1,201.48	