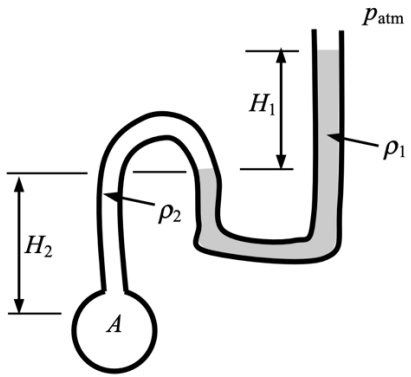Determine the gage pressure at point A.

SOLUTION:

$$p_A = p_{atm} + \rho_1 g H_1 + \rho_2 g H_2, \tag{1}$$

$$p_{A,gage} = p_A - p_{atm} = \rho_1 g H_1 + \rho_2 g H_2. \tag{2}$$