

LEGEND OF SYMBOLS

REFERENCE ISA-S5.1

	INSTRUMENT – FIELD INSTALLED		HAND VALVE
	INSTRUMENT – FRONT CABINET MOUNTED		ROTARY (BALL) VALVE
	INSTRUMENT – INSIDE PANEL MOUNTED		RELIEF VALVE – PRESSURE/VACUUM
	INSTRUMENT SHARING		SOLENOID OPERATED VALVE
	INSTRUMENT AIR FILTER		PNEUMATICALLY OPERATED VALVE
	INDICATING DEVICE		CAPACITY RESEVOIR
	RELAY CONTACT		RATE CAPILLARY
	AIRFLOW MEASURING STATION WITH AIR STRAIGHTENER		NEEDLE VALVE (RESTRICTOR)
	AIRFLOW MEASURING PROBE (VOLU–probe)		CHECK VALVE
	STATIC PRESSURE SENSING PROBE (STAT–probe)		PROCESS SIGNAL
	SHIELDED STATIC AIR PROBE (S.A.P.)		ELECTRONIC SIGNAL
	STATIC OUTSIDE AIR PROBE (S.O.A.P.)		PNEUMATIC 3–15 psig SIGNAL
	FAN WITH VORTEX DAMPER OR ADJUSTABLE PITCH BLADES		BULKHEAD SIGNAL
	FAN OR AIR MOVER		ELECTRICAL CONDUIT CONNECTION
	AIRFLOW DAMPER		FIELD WIRING TERMINALS
	DAMPER OPERATOR WITH PILOT POSITIONER		SQUARE ROOT EXTRACTOR
	MOTORIZED DAMPER OPERATOR ELECTRONIC, VFD OR VSD		MULTIPLIER/SCALER
	PRESSURE REGULATING VALVE		SUMMING RELAY
AS ₁	UNREGULATED AIR		LOW SELECT RELAY
AS ₂	FILTERED AND/OR REGULATED AIR		BIASING RELAY
AS ₃	CONTROLLED AIR SOURCE		RATIO RELAY
L	LOW PRESSURE	EP	ELECTRIC TO PNEUMATIC CONVERTER
H	HIGH PRESSURE	VI	VOLTAGE TO CURRENT CONVERTER
C	COMMON	FT	FLOW TRANSMITTER
NO	NORMALLY OPEN	FI	FLOW INDICATOR
NC	NORMALLY CLOSED	FY	FLOW SIGNAL COMPUTER
HC	HAND CONTROL	FC	FLOW CONTROLLER
TB	TERMINAL BLOCK	FS	FLOW LIMITING SWITCH
SP	SETPOINT	PT	PRESSURE TRANSMITTER
f(X)	SIGNAL CONDITIONER	PI	PRESSURE INDICATOR
		PY	PRESSURE SIGNAL COMPUTER
		PC	PRESSURE CONTROLLER
		PS	PRESSURE LIMITING SWITCH
		PDT	PRESSURE DIFFERENTIAL TRANSMITTER
		PDI	PRESSURE DIFFERENTIAL INDICATOR
		PDS	PRESSURE DIFFERENTIAL SWITCH
		P/I/ ¹ / _D	PROPORTION BAND/INTEGRAL/INVERSE DERIVATIVE

