

IDENTIFICATION LETTERS					ISA 5.1	MAN STANDARD
MEANING OF IDENTIFICATION LETTERS	FIRST LETTER		SUCCEEDING LETTER			
	MEASURED OR INITIATIVE VARIABLE	MODIFIER	READOUT OR PASSIVE FUNCTION	OUTPUT FUNCTION	MODIFIER	
A	ANALYSIS		ALARM			
B	BURNER, COMBUSTION					
C	CONDUCTIVITY			CONTROL		
D	DENSITY	DIFFERENTIAL				
E	VOLTAGE		SENSOR			
F	FLOW	RATIO				
G			SIGHT GLASS			
H	HAND / MANUAL				HIGH / OPEN	
I	CURRENT		INDICATION			
J	POWER	SCAN				
K	TIME / TIMESCHEDULE	TIME RATE OF CHANGE		CONTROL STATION		
L	LEVEL		LIGHT		LOW / CLOSED	
M	HUMIDITY	MOMENTARY			MIDDLE / INTERMEDIATE	
N						
O			RESTRICTION ORIFICE			
P	PRESSURE / VACUUM		POINT CONNECTION			
Q	QUANTITY	INTEGRATE / TOTALIZE	COUNTER			
R	TORQUE		RECORDER			
S	SPEED / FREQUENCY	SAFETY		SWITCH		
T	TEMPERATURE		TRANSMITTER			
U	MULTIVARIABLE		MULTIFUNCTION	MULTIFUNCTION	MULTIFUNCTION	
V	VIBRATION / MECH.ANALYSIS			VALVE		
W	WEIGHT / FORCE		WELL			
X		X-AXIS				
Y	EVENT / STATE	Y-AXIS		RELAY / COMPUTER		
Z	POSITION	Z-AXIS		DRIVE / ACTUATOR		

INSTRUMENT- AND LINE SYMBOLS				ISA 5.1 / MAN STANDARD
MOUNTING LOCATION	SYMBOL	DESCRIPTION	INSTRUMENT LINE SYMBOLS	
			SYMBOL	DESCRIPTION
LOCALLY MOUNTED				
MOUNTED ON LOCAL RACK				
MOUNTED ON UNIT CONTROL PANEL (SAFE AREA)				
MOUNTED ON LOCAL PANEL				
PLC/HMI ON UNIT CONTROL PANEL				
ESD ON UNIT CONTROL PANEL				
PLC/HMI ON LOCAL PANEL				
DCS ON MAIN CONTROL PANEL				
PLC/HMI ON MAIN CONTROL PANEL				
ESD ON MAIN CONTROL PANEL				

ABBREVIATIONS				ISA 5.1 / MAN STANDARD
A	OUTLET TO ATMOSPHERE (NOT CLOSED)	LI	LOCKED INTERMEDIATE	
V	VENT	DCS	DISTRIBUTED CONTROL SYSTEM	
D	DRAIN	MCC	MOTOR CONTROL CENTER	
C	CONDENSATE OUTLET	PLC	PROGRAMMABLE LOGIC CONTROL	
CO	CONTROL OIL SUPPLY	HMI	HUMAN MACHINE INTERFACE	
R	RETURN TO RESERVOIR	MMS	MACHINE MONITORING SYSTEM	
AS	INSTRUMENT AIR SUPPLY	ESD	EMERGENCY SHUTDOWN SYSTEM	
RTD	RESISTANCE THERMOMETER	VFD	VARIABLE FREQUENCY DRIVE	
TC	THERMOCOUPLE	AMB	ACTIVE MAGNETIC BEARING	
FC	FAIL CLOSE	DE/NDE	DRIVEN / NON DRIVEN END	
FO	FAIL OPEN	HS / LS	HIGH SPEED / LOW SPEED SHAFT	
FI	FAIL POSITION INDETERMINATED	PAS	PROCESS AUTOMATION SYSTEM	
FL	FAIL POSITION LOCKED	PSD	PROCESS SHUTDOWN SYSTEM	
LC	LOCKED CLOSED			
LO	LOCKED OPEN			

SYMBOLS		ISA 5.1 / MAN STANDARD	
	DURING NORMAL OPERATION OPEN		LIMIT OF SUPPLY
	DURING NORMAL OPERATION CLOSED		OIL RESERVOIR
	ROTARY BALL VALVE		PRESSURE VESSEL
	GLOBE VALVE		BLADDER ACCUMULATOR
	NEEDLE VALVE		GAS CYLINDER
	BUTTERFLY VALVE		OIL MIST SEPARATOR
	CHECK VALVE		MEMBRANE SEPARATOR
	CHECK VALVE WITH BORE		FAN
	GATE VALVE		JET COMPRESSOR
	3-WAY VALVE		LIQUID PUMP
	ANGLE VALVE		DETONATION PROTECTION
	2-WAY CONTROL VALVE		EXPLOSION SAFE FLAME ARRESTER
	2-WAY CONTROL FLAP		FILTER-PRESSURE REDUCER
	SAFETY ANGLE VALVE		FLOW ORIFICE
	BURST PLATE, BURST MEMBRANE		SIGHT GLASS
	EXPLOSION PROTECTION		VENTURI
	EXPLOSION SAFE FLAME ARRESTER		STEAM TRAP
	FILTER-PRESSURE REDUCER		STRAINER
	FLOW ORIFICE		GAS STRAINER, CONICAL DESIGN
	SIGHT GLASS		START-UP STRAINER, CONICAL DESIGN
	VENTURI		SILENCER
	STEAM TRAP		SPECTACLE BLIND
	STRAINER		REDUCER
	GAS STRAINER, CONICAL DESIGN		FLANGE PAIR
	START-UP STRAINER, CONICAL DESIGN		BELLOWS COMPENSATOR
	SILENCER		ATMOSPHERIC RELIEF
	SPECTACLE BLIND		VENT
	REDUCER		OPEN DRAIN FUNNEL
	FLANGE PAIR		CAP
	BELLOWS COMPENSATOR		HOSE
	ATMOSPHERIC RELIEF		SYPHON TRAP
	VENT		MOTOR
	OPEN DRAIN FUNNEL		MANUALLY OPERATED / HAND WHEEL
	CAP		DIAPHRAGM
	HOSE		PISTON
	SYPHON TRAP		SOLENOID
	MOTOR		SPRING
	MANUALLY OPERATED / HAND WHEEL		DOUBLE DIAPHRAGM
	DIAPHRAGM		FILLER WITH FILTER
	PISTON		FILLER / BREATHER WITH FILTER
	SOLENOID		FILLER / BREATHER
	SPRING		INJECTION NOZZLE
	DOUBLE DIAPHRAGM		V-FILTER
	FILLER WITH FILTER		PULSE FILTER
	FILLER / BREATHER WITH FILTER		WATER SEPARATOR
	FILLER / BREATHER		PIPE BREAK
	INJECTION NOZZLE		
	V-FILTER		
	PULSE FILTER		
	WATER SEPARATOR		
	PIPE BREAK		

LOGIC IDENTIFICATION FIGURES		MAN STANDARD
	SHUTDOWN WITH BLOWDOWN	
	SHUTDOWN WITHOUT BLOWDOWN	
	INTERLOCK	
	EMERGENCY OIL PUMP	
	AUXILIARY SHUTDOWN	
	OIL TANK HEATER	
	OIL MIST FAN	
	LUBE OIL PUMP	
	OIL COOLER FANS	
	SEAL GAS HEATER	
	PRESSURE BOOSTER	
	SPACE HEATER	

