| 0-81-0I4-5751 | 1 | 2 | 3 4 | | 5 | | | 6 | 7 8 | |
|------------------|---|--|---|---|---|---|---------------------------|--|--|-----------------------------|
| 873-PID-LB | | | | | INSTRUMENT IDENTIFICATION LETTERS | | | | | |
| SHEET OF | | | | EOUS SYMBOLS | | FIRST LETTER | | | SUCCEEDING LETTERS | |
| | SYMBOLS FOR FI | LOW MEASUREMENT | | | MEASURE OR INIT | ATING VARIABLE | MODIFIER | READOUT OR PASSIVE FUNCTION | OUTPUT FUNCTION MODIFIER | |
| F | TRANS | OW MITTER | INTEGRAL | | B = BURNER, COMBUST | DN . | | USER'S CHOICE | USER'S CHOICE USER'S CHOICE | F |
| | (TYF | PICAL) | x n EXPONENTIAL | | C = USER'S CHOICE | | | | CONTROL | |
| | | | X EXPONENTIAL | | D = USER'S CHOICE | | DIFFERENTIAL | | | |
| | ORIFICE PLATE | ORIFICE PLATE WITH VENA CONTRACTA | NON LINEAR OR UNSPECIFIED FUNCTION | | E = VOLTAGE | | | SENSOR (PRIMARY ELEMENT) | | |
| | WITH FLANGE OR CORNER TAPS | RADIUS, OR PIPE TAPS | UNSPECIFIED FUNCTION | | F = FLOW RATE | | RATIO (FRACTION) | | | |
| 7 | FLOV | N | f(t) TIME FUNCTION | | G = USER'S CHOICE H = HAND | | | GLASS, VIEWING DEVICE | HIGH | — — |
| | FT INDICATION (TYPIC) | | | | I = CURRENT (ELECTRI | CAL) | | INDICATE | піоп | |
| | , \(\frac{1}{2} \) | , \checkmark , | HIGH SELECTING | | J = POWER | | SCAN | | | |
| | | AVERACING | | | K = TIME, TIME SCHEDU | LE . | TIME RATE OF CHANGE | | CONTROL STATION | |
| Е | ORIFICE PLATE IN QUICK-CHANGE | AVERAGING PITOT TUBE | LOW SELECTING | | L = LEVEL | | | LIGHT | LOW | E |
| | FITTING | | n poot eviduation | | M = USER'S CHOICE | | MOMENTARY | | MIDDLE, | |
| | FLOV TRANSMI | N | n ROOT EXTRACTION | | N. Harris avera | | | Hotels susist | INTERMEDIATE | |
| | FT (TYPIC | AL) FT | REV REVERSE | | N = USER'S CHOICE O = USER'S CHOICE | | | USER'S CHOICE ORIFICE, RESTRICTION | USER'S CHOICE USER'S CHOICE | I |
| | | <u> </u> | | | P = PRESSURE, VACUUI | | | POINT (TEST) CONNECTION | | |
| 4 | VENTURI TUBE | FLUME | d dt DERIVATIVE | | Q = QUANTITY | | INTEGRATE, TOTALIZE | (, 10.00.00 | | ⊢ ⊢ |
| | FLOW TUBE FLOW NOZZLE | . 20112 | | | R = RADIATION | | | RECORD | | |
| | | | ANALOG DIGITAL | | S = SPEED, FREQUENCY | | SAFETY | | SWITCH | |
| | FT | FT | D Z | | T = TEMPERATURE | | | | TRANSMIT | |
| | | <u>, </u> | DA DIGITAL ANALOG | | U = MULTIVARIABLE V = VIBRATION, MECH. | ANAI YSIS | | MULTIFUNCTION | MULTIFUNCTION MULTIFUNCTION VALVE, DAMPER, LOUVER | |
| | | NIDDINE OR | E/P CONVERT SIGNAL FORM | | W = WEIGHT, FORCE | NIME I JIJ | | WELL | YALYE, DAWI EN, COUYEN | |
| | WEIR | TURBINE OR PROPELLER TYPE | (TYPICAL EXAMPLES) E = VOLTAGE | | X = UNCLASSIFIED | | X AXIS | UNCLASSIFIED | UNCLASSIFIED UNCLASSIFIED | |
| | | PRIMARY ELEMENT | H = HYDRAULIC I = CURRENT | | Y = EVENT. STATE OR | PRESENCE | Y AXIS | | RELAY, COMPUTE, | |
| |) FI | FAIR | O = ELECTROMAGNETIC OR SONIC P = PNEUMATIC | | | | | | CONVERT | |
| 2 | | FQIS | R = RESISTANCE (ELECTRICAL) | | Z = POSITION, DIMENSIO | N | Z AXIS | | DRIVE, ACTUATOR, UNCLASSIFIED | |
| ENTS 20 | VARIABLE AREA | POSITIVE DISPLACEMENT FLOW TOTALIZING METER | | | | | | | FINAL CONTROL ELEMENT | |
| MPROVES | FLOW INDICATOR | (SHOWN WITH SWITCH) | -K REVERSE PROPORTIONAL | | | | | NOTES: | | |
| ID\LS-1 |)) \ | | | | | | | 1. ANY HRST LETTER COMBINED WITH EXAMPLES: PD = DIFFERENTIAL P | MODIFIER REPRESENTS A NEW AND SEPARATE MEASURED VARIABLE. RESSURE FQ = TOTALIZED OR INTEGRATED FLOW. OR MULTIPOINT SCANNING. | |
| WINGS/P | BIAS | | | | | | | EXCEPTION IS THE MODIFIER "J" FOR MULTIPOINT SCANNING. 2. FOR ANALYSIS NOT IDENTIFIED BY A SPECIFIC LETTER IN THE TABLE, USE FIRST LETTER "A" NEAR THE INSTRUMENT SYMBOL, SPECIFY THE NATURE OF THE ANALYSIS. EXAMPLE: PH C | | |
| \4.4 DR | (FT)) SONIO | | ± | | INSTRUME | NT SYMBOLS | | 3. MEANING OF A "USER CHOICE" LET AND SHALL BE SPECIFIED IN THE | TER SHALL BE CONSISTENT THROUGHOUT A PROJECT, | |
| CHNICAL | SONIC | TARGET VORTEX | K 1:1 2:1 PROPORTIONAL | | PRIMARY | | AUXILIARY | UNCLASSIFIED LETTER MAY HAVE A THE MEANING SHALL BE SPECIFIED | A FEW DIFFERENT MEANINGS ON A PROJECT, I NEAR EACH INSTRUMENT SYMBOL USING THE UNCLASSIFIED LETTER. | |
| S/4.0 IE | MAGNETIC FLOW METER | | NOTE: THE SQUARE MAY BE USED AS A FLAG. | | CONTROL PANEL NORMALLY | FIELD MOUNTED | PANEL OR RACK NORMALLY | THE MODIFIER "SCAN" APPLIES TO | MULTIPOINT PRINTING INSTRUMENTS, UCTIVITY RECORDER WITH ALARM SWITCHES). | |
| OVEMENT | (SHOWN CONNECTED TO TRANSMITTER) | OTHER | HOA HAND-OFF-AUTO | | ACCESSIBLE TO OPERATOR | MOONTED | ACCESSIBLE TO OPERATOR | , | • | |
| IMPR | | FLOW SENSORS | REV REVERSE ACTION | | _ | _ | _ | GENERAL NOTE: | | F |
| 134 [5 | | | REV REVERSE ACTION | DISCRETE INSTRUMENTS | | | | 1. FOR MECHANICAL SYMBOL | S AND ADDITIONAL NOTES | |
| C1S\\3373 | | | NUMBER OF SURVIVIA OFFICE | | | | | SEE SHEET 1, DRAWING 13 | | |
| B PROJEC | | TYPICAL SYMBOLS FOR BEHIND-THE-PANEL | P PURGE OR FLUSHING DEVICE | | | | | | | |
| (%.0 su) | | INSTRUMENT OR NORMALLY INACCESSIBLE FUNCTION. | | SHARED DISPLAY, SHARED CONTROL | | | | | | |
| (SERVICE | (1) (2) (MAIN) (AUX.) | | R RESET FOR LATCH - TYPE ACTUATOR | | | • | | | | В |
| TRONOX | (·/ (- / () (/////) | SYMBOL FOR PANEL MOUNTED INSTRUMENTS | ~ | COMPUTER FUNCTION | | | | | | |
| 373-101 | | MAY HAVE PANEL DESIGNATION. IF PROJECT HAS A NUMBER OF PANELS. | AND OR INTERLOCKING FUNCTIONS | INCLUDING DISTRIB. | | | | | | |
| GNRING\1 | <u> </u> | | | CNTL. SYS. | | | | | GENERAL NOTES: | |
| H. G.\EM | | INSTRUMENT FOR MULTIPLE SERVICE OR | GENERALIZED SPECIFIC | PROGRAMMABLE LOGIC | | | | | THIS DRAWING IS PROVIDED FOR INFORMATION ONLY. | L |
| JRK PAT | | MULTIPLE FUNCTIONS SHALL BE REPRESENTED BY TWO OR MORE TANGENT CIRCLES. | (TYPICAL EXAMPLE SHOWS SQUARE | CONTROLLER FUNCTION | | | | | 10 | RAWING SCALE |
| NETWO | | | $(-\frac{FY}{16})$ ROOT EXTRACTOR IN FLOW LOOP.) | | | | | | D | N/A ESIGNED BY/DATE |
| 5 | | | | | | | | | | RAWN BY/DATE |
| 3);; dieec | | | | | | | | REV DATE | DESCRIPTION OF REVISION DESCRIPTION OF REVISION DESCRIPTION OF REVISION DESCRIPTION OF REVISION | |
| 95 | | | , | | | | | | ORIGINAL CAD FORMAT SHALL BE CONSIDERED VALID COPIES. | HECKED BY/DATE A |
| 7/19/ | | | ("ENVIROGEN") AND/OR ITS A OF ENVIROGEN AND ARE SUE | AFFILIATES, THE DESIGN CONCEPTS SMITTED IN CONFIDENCE, THEY ARE | ERTY OF ENVIROGEN TECHNOLOGIES, I AND INFORMATION CONTAINED HEREIN NOT TRANSFERABLE AND MUST BE US BLY SUBMITTED. THEY MUST NOT BE I | ARE PROPERTY ED ONLY FOR | | APPROVED BY: | NERT HENDERSON, NV | D C |
| TED: | | ENVIROGEN | REPRODUCED, LOANED OR US A Lifecycle Performance Company AND INFORMATION CONTAINED AND INFORMATION CONTAINED | SED IN ANY OTHER MANNER WITHO SPONSIBILITY OR LIABILITY FOR THE HEREIN FOR ANOTHER PROJECT. | JT THE EXPRESS WRITTEN CONSENT O USE OF THIS DOCUMENT OR THE DE OR IN A MANNER THAT DOES NOT RE | F ENVIROGEN. HIGN CONCEPTS ATE TO THE | | PIP | ING & INSTRUMENTATION DIAGRAM | SHEET 1 OF 1 |
| □ EQUIPMENT AND/ | A VISUAL REPRESENTATION OF THE OR SYSTEM PROPOSED. IT IS | T E C H N O L O G I E S 84A TWIN RIVERS DRIVE EAST WINDSOR, NJ 08520 | ORIGINALLY INTENDED USE OF | F THIS DOCUMENT. IN NO EVENT S HEREIN BE USED IN ANY MANNER | HALL THIS DOCUMENT OR THE DESIGN DETRIMENTAL TO THE INTEREST OF I | CONCEPTS NVIROGEN. THE | | | | 1373-PID-LB |
| | OR CONSTRUCTION PURPOSES. | | THEM FOR THIS PROJECT. AL DOCUMENT CONSTITUTES AGR | L PAIENT AND OTHER RIGHTS ARE EEMENT TO THESE TERMS AND COL | E FURTHER LIMITED IN THE AGREEME RESERVED. ACCEPTANCE OF THE DEL DITIONS. | VERT OF THIS | | | | ^{LE} 1373−PID−LB−0 |
| | 1 | 2 | 3 I 4 | | 5 | | 1 | 6 I | 7 I 8 | |