

Digital View Process Controllers

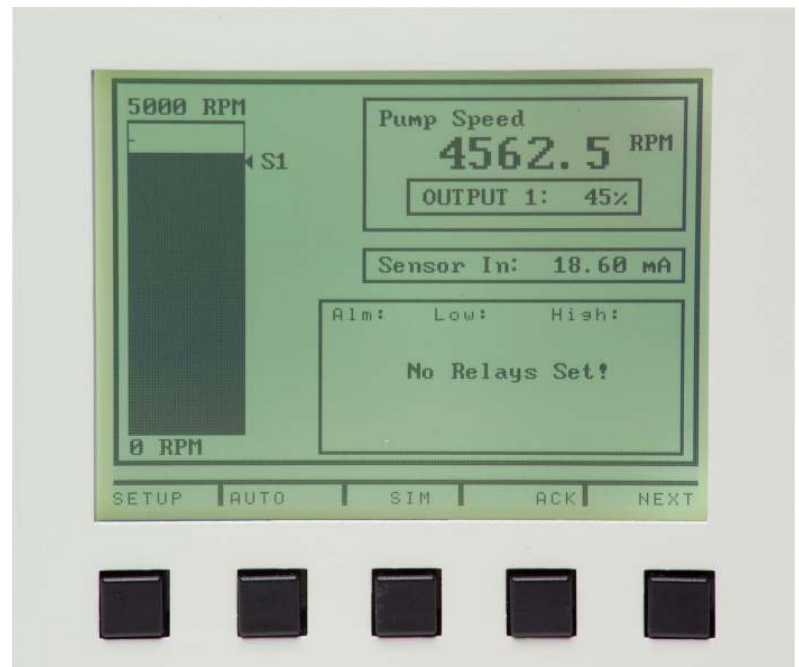
DV-100 and DV-10 Series



- MULTI-CHANNEL
- EASY TO SETUP AND USE
- LARGE SUNLIGHT READABLE LCD DISPLAY
- 4-20 mA, 10 VDC, OR RTD
- 4 X TURBINE METER / COUNTER INPUTS
- 4 X DIGITAL INPUTS
- 9 X 10 AMP SPDT RELAYS
- MODBUS™ RTU
- POWERED BY AC OR DC
- INPUT SIMULATIONS
- INPUT TOTALIZER
- PID CONTROL FUNCTIONS
- 32 POINT LINEARIZATION / CHANNEL
- WALL OR PANEL MOUNT
- FREE PROGRAMMING AND LOGGING SOFTWARE
- 24 VDC TRANSMITTER POWER SUPPLY

COMMON APPLICATIONS

- ✓ TANK LEVEL INDICATION AND CONTROL
- ✓ WELL MONITORING AND CONTROL
- ✓ FLOW COMPUTER
- ✓ FLOW RATE VALVE CONTROLLER
- ✓ PRESSURE CONTROLLER
- ✓ LIFT STATION CONTROL
- ✓ PUMP ALTERNATION
- ✓ PRESSURE FLOW OVERRIDE CONTROLLER
- ✓ TURBINE METER DISPLAY AND CONTROL
- ✓ PROCESS CONTROL WITH PID FUNCTION
- ✓ GAS DETECTION AND ALARM

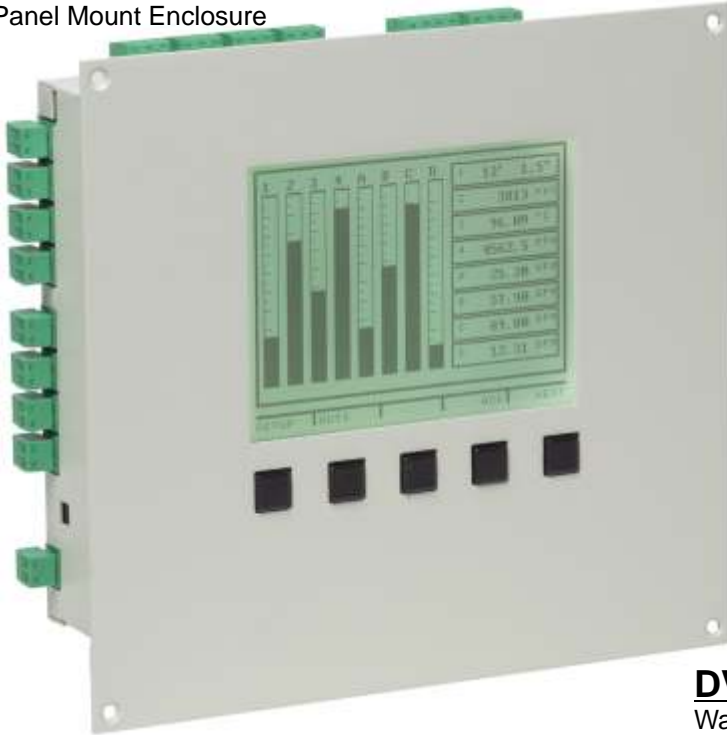


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DV-10 Controller

Panel Mount Enclosure



DV-100 Controller

Wall Mount Enclosure

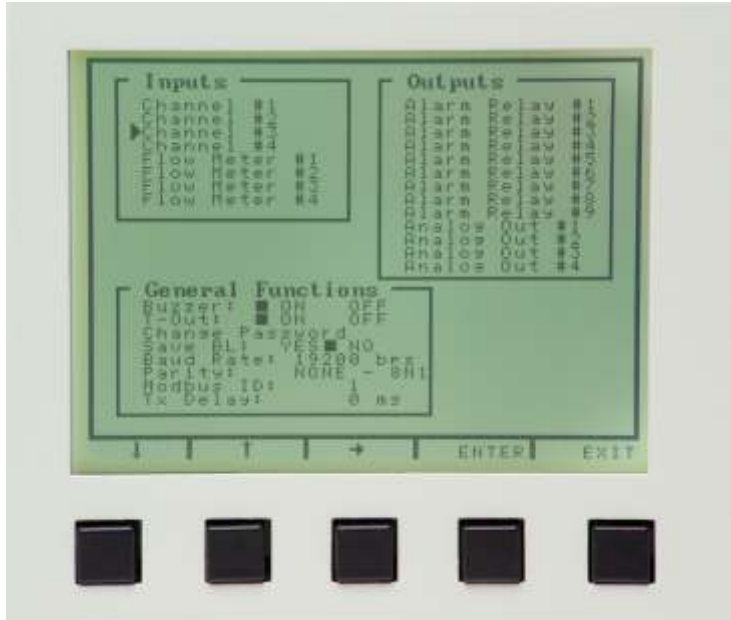


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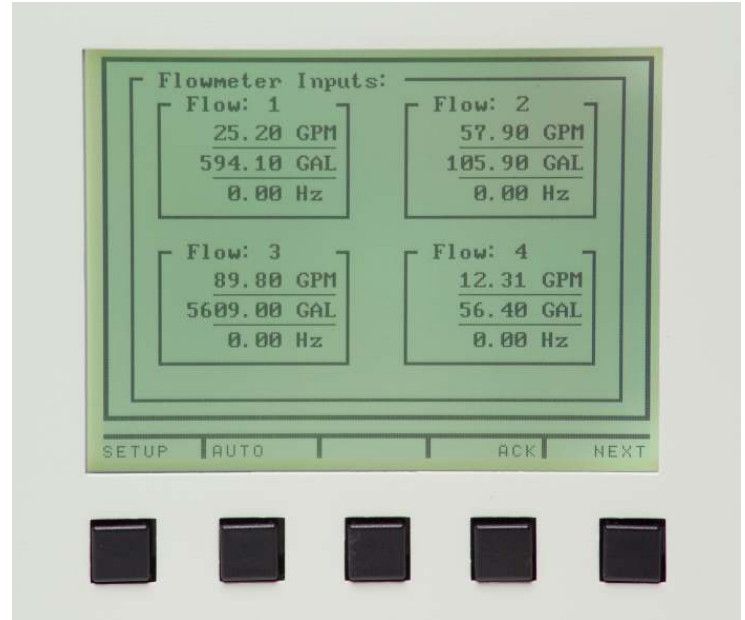
Easy to Navigate Menus

DV-10 / 100 Controllers are easy to use and navigate.



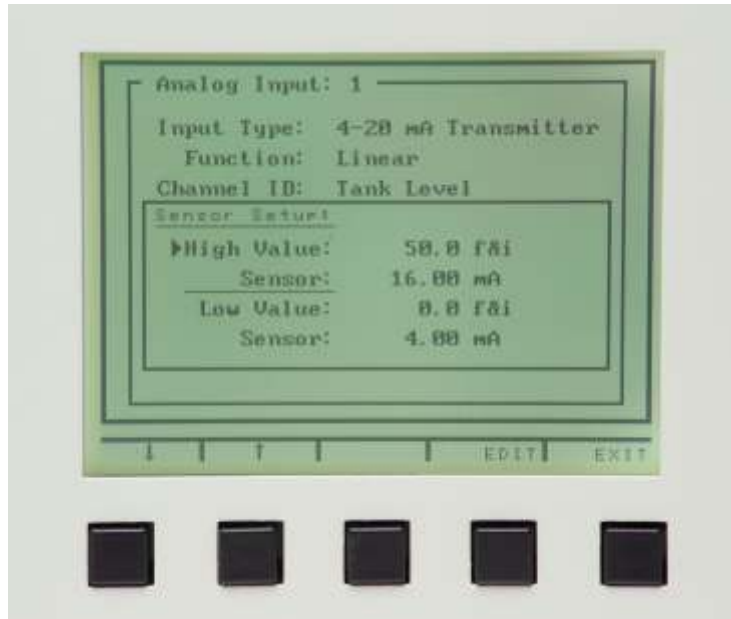
Summary Screens

The DV-10/100 Provides summary screens for the analog and turbine inputs, thereby providing useful data at a glance.



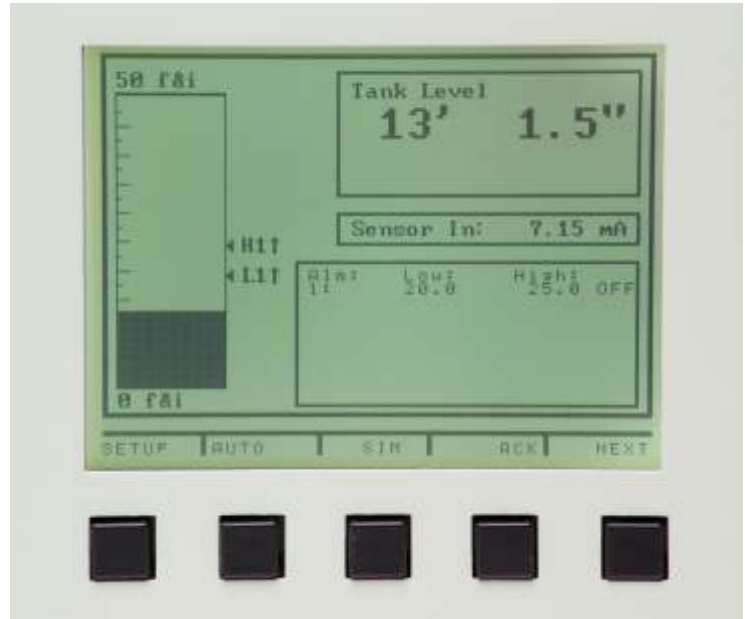
Input Setup

Adding and configuring a new sensor is intuitive and simple



Detailed Channel Views

View detailed information on process channel including any alarms and setpoints



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GENERAL

DISPLAY: 320 x 240 LCD - BACKLIT SUNLIGHT READABLE
DISPLAY RATE: 2 Hz (UPDATED TWICE PER SECOND)
PROGRAMMING METHOD: FRONT PANEL, PC SOFTWARE, MODBUS™
PASSWORD: PROGRAMMABLE, RESTRICTS MODIFICATION OF SETTINGS
POWER: 90-265 VAC 47-63 Hz OR 8-30 VDC, 15 WATTS
SURGE PROTECTION: TVS AND MOV
OPERATING TEMP:
RANGE: -25 °F TO 150 °F
RELATIVE HUMIDITY: 0 - 90%, NON-CONDENSING
CONNECTIONS: SCREW TERMINALS
DIMENSIONS: 8" x 8.75" (WALL); 9.36" x 8.66" (PANEL)
WEIGHT: 5 ½ LBS
WARRANTY: 3 YEARS PARTS AND LABOR

ANALOG INPUTS

QUANTITY: DV-10 FOUR (4); DV-100 EIGHT (8)
INPUT RANGE: 4-20 mA
INPUT IMPEDANCE: 130 Ω
ACCURACY: ±0.03% OF SPAN
SHORT CIRCUIT PROTECTION: OVER CURRENT PROTECTED @ 50 mA
TRANSMITTER SUPPLY: 24 VDC @ 500 mA

TURBINE INPUTS

QUANTITY: FOUR (4)
INPUT RANGE: 50 mVPP TO 15 VPP; 10 Hz TO 10 KHz
TOTALIZER: CALCULATES TOTAL BASED ON RATE
TOTALIZER RESET: Front Panel or via MODBUS™

DIGITAL INPUTS

QUANTITY: FOUR (4)
TYPE: SWITCH CLOSURE, OPEN COLLECTOR, OR LOGIC LEVEL
INPUT IMPEDANCE: 240 Ω

ANALOG OUTPUTS

QUANTITY: DV-10 FOUR (4); DV-100 TWO (2)
INPUT RANGE: 4-20 mA
LOOP RESISTANCE: 10 TO 600 Ω
ACCURACY: ±0.05% OF F.S. ±0.01 mA
ISOLATION: OPTO-ISOLATED TO 1500 VAC
EXTERNAL POWER: 12 VDC (300 Ω); 32 VDC max (900 Ω)

MODBUS™

TYPE: RS-232 MODBUS™ RTU
BAUD RATE: 1200 TO 38400 BPS
AVAILABLE SETTINGS: 8N1 OR 7E2
ADDRESS RANGE: 1 TO 247
TRANSMIT DELAY: 0 TO 999 mSEC

RELAYS

QUANTITY: NINE (9)
TYPE: SPDT (FORM FACTOR "C")
RATING: 10 AMP @ 120 / 240 VAC RESISTIVE LOAD
1/3 HP @ 120 / 240 VAC INDUCTIVE LOAD
5 AMP @ 28 VDC
TIME DELAY: PROGRAMMABLE ON/OFF DELAYS (0-999 SECS)
OPERATIONAL MODES: HIGH / LOW
HIGH / LOW WITH PULSE
TRIGGER
LEAD-LAG ALTERNATION
MANUAL OVERRIDE

ORDERING INFORMATION

DV-100	(8) 4-20 mA input, (2) 4-20 mA Output
DV-10	(4) 4-20 mA input, (4) 4-20 mA Output
DV-100-010	(8) 4-20 mA , (2) 4-20 mA Output
DV-10-010	(4) 4-20 mA , (4) 4-20 mA Output
DV-100-RTD	(4) 4-20 mA , (4) RTD, (2) 4-20 mA Output
DV-10-RTD	(2) 4-20 mA , (2) RTD, (4) 4-20 mA Output

NOTE: ALL UNITS COME STANDARD WITH
(4) turbine, (9) Relays, (4) Digital Inputs

OPTIONS:
XXX-CELL Cellular Radio Option
XXX-SAT Satellite Radio Option
XXX-RADIO MODBUS Radio Option (MDS or similar)

YOUR LOCAL DISTRIBUTOR IS



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