

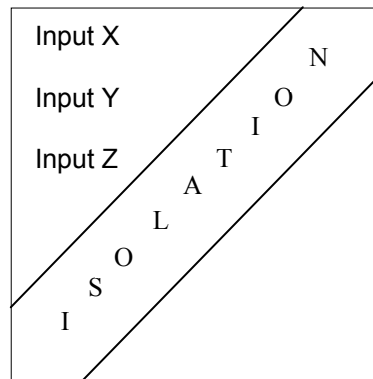
PI-M MATHS FUNCTION TRANSMITTER

- Field Programmable Input and Output Ranges
- 32 Predefined Math Functions
- 12 Bit Resolution. (0.025%)
- Input to Output Isolation 1.6kV.
- High Accuracy 0.1%
- Universal AC/DC Power Supply.
- Compact DIN Rail Mount Enclosure.
- 120 Point User Definable Curve Fitting.



$X + Y$
$X + Y + Z$
$X - Y$
$X - Y + Z$
$X \times Y$
$X \times Y \times Z$
X / Y
$(X / Y) \times Z$
$X^{(1/2)}$ {square root X}
$X^{(1/3)}$ {cube root X}
$X^{(3/2)}$
X^2
X^3
In X {Natural log X}
Log X {Base 10 log X}
$(X^2 + Y^2)^{(1/2)}$
$(X + Y) / 2$
$(X + Y + Z) / 3$
$X^{1.569}$ {Parshall Flume}
$X^{(5/2)}$ {V Notch Weir}
X {ie $X_{in} = X_{out}$ }
Inverse of X {ie $(100 - X)\%$ }
$X / (X + Y)$
Antilog X
$(X - Y) \times Z$

Sample and Hold
Tare
%RH, X=Dry, Y=Wet
User Defined Curve
<i>Program User Defined Curve</i>
Pressure Comp. Steam Flow
<i>Program PCSF Values</i>
Hi Select of X or Y
Lo Select of X or Y



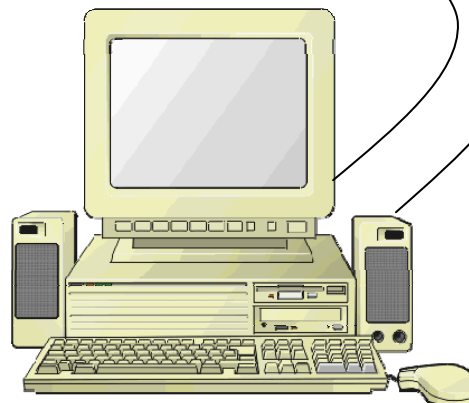
Universal Power Supply

22 to 264V AC / DC
(also available 10 to 28V AC / DC)

Output
mA, mV, V

PI-RAC RS232 cable
used for:

- Programming
120 point user
definable curve.
- Pressure
Compensated
Steam Flow.



Refer PI-M Installation Guide for full specifications