

NG sensors

New Generation sensors, available for NG-9 PLUS

NG-AIN

This sensor provides the NG-9 system with an analogic ISOLATED voltage or current Input.

Flow range	$\pm 10V$, 0-10V, $\pm 20mA$, 0-20mA and 4-20mA selectable straight from the instrument
Measure isolation	dielectric strength of 1kV between Input and instrument to simplify use and improve protection against disturbance and the system's overall security
Accuracy	on the entire measuring chain is 0,2% of the reading plus 0,05% of the flow
Measurement field	between 0 and 120% of the flow. Maximum permanent overload capacity 400% of the flow for current measurements and 100V (1000%) for voltage measurements

NG-DIG

This sensor provides the NG-9 system with an ISOLATED Input for digital signal acquisition from passive Outputs (PNP, NPN, OPTOMOS or electromechanical contacts) as well as active AC or DC Outputs from 12 to 110 Vdc or Vac.

Acquisitions	the system can acquire, ON-OFF static signals as well as pulses coming from meters up to 10Hz frequency with a minimum pulse's duration of 5 milliseconds (10 milliseconds for AC Input).
Measure isolation	dielectric strength of 1kV between Input and instrument to simplify use and improve protection against disturbance and the system's overall security

NG-RTD

This sensor provides the NG-9 system with an ISOLATED Input for Temperature measurement with RTD sensors (i.e. PT100). NG-9 PLUS is compatible with PT100 (standard), PT200, PT 500 and PT1000.

Measure isolation	dielectric strength of 1kV between Input and instrument to simplify use and improve protection against disturbance and the system's overall security
Accuracy	on the entire measuring chain is $\pm 0,2\%$ for readings between $-100^{\circ}C$ and $+200^{\circ}C$, with a typical accuracy of $\pm 0,1\%$ for readings between $-20^{\circ}C$ and $+100^{\circ}C$.

