

PROGRAMMABLE CONVERTERS

INOR CONVERTERS

Use	APAQ-H is a series of multi-range two-wire temperature converters for thermometer heads
Input	Pt100 (-HRF, -HRFX), thermocouple J, L, T, K, N (-HCF, -HCFX)
Output	4 to 20 mA
Measuring range	Adjustable; -HRF, -HRFX: 50/100/150/200/300/400/500 °C -HCF, -HCFX: 10 to 50 mV continuously
Accuracy	-HRF, -HRFX: $\pm 0.15\%$ of the temperature range -HCF, -HCFX: $\pm 0.5\%$ to $\pm 1.0\%$ of the temperature range
Maximum operating temperature range	-40 to 85 °C
Power supply	6.5 to 32 VDC (-HRF, -HCF), 8.5 to 30 VDC (-HRFX, -HCFX)

-HRFX, -HCFX: designed for explosive environments



Use	Basic, programmable, uninsulated, two-wire converter for thermometer heads
Input	Pt100, Pt1000, thermocouple B, E, J, L, T, K, N, R, S, U
Output	4 to 20 mA
Measuring range	Programmable
Accuracy	$\pm 0.15\%$
Maximum operating temperature range	-40 to 85 °C
Power supply	8 to 36 VDC

-HX: designed for explosive environments



Use	IPAQ-H/-HX are universal insulated, two-wire, programmable converters for thermometer heads
Input	Pt100, Pt1000, potentiometer, thermocouple B, E, J, L, T, K, N, R, S, U
Output	4 to 20 mA
Measuring range	Programmable
Accuracy	$\pm 0.1\%$ of the temperature range
Maximum operating temperature range	-40 to 85 °C
Power supply	6.5 to 36 VDC (-H), 8.0 to 30 VDC (-HX)

-HX: designed for explosive environments



UNIVERSAL

Use	MESO-H/-HX are intelligent, universal, fully linearized and insulated two-wire converters for thermometer heads
Input	Pt100, Pt1000, thermocouple B, E, J, L, T, K, N, R, S, U
Output	4 to 20 mA
Measuring range	Programmable
Accuracy	$\pm 0.1\%$ of the temperature range
Maximum operating temperature range	-40 to 85 °C
Power supply	MESO-H: 10 to 42 VDC, MESO-HX: 12 to 30 VDC

MESO-HX: designed for explosive environments



HART