

# IP300

## IntellpaK Signal Converter

The IP300 is a microprocessor-based signal converter, to which thermocouple, resistance temperature detector (RTD), linear direct current, linear direct current voltage and resistance (potentiometer) can be applied as input signal.

The HandyLoader QN715A enables scaling, manual output and setup of signals from the input/output device, interfaced with the IntellpaK IP300.



### Specifications

General	Power supply voltage	AC: 100 to 264Vac, 50/60Hz DC: 24 to 48Vdc
	Power consumption	AC: 12VA max. DC: 12VA max.
	Ambient temperature	0 to 50°C
	Ambient humidity	Max. 90%RH at 40°C (no condensation allowed)
Input	Weight	Approx. 0.6kg
	Type	Thermocouple, resistance temperature detector, DC current, DC voltage, potentiometer (resistor)
	Sampling cycle	100ms
	Basic current	Thermocouple, mV input: -0.15 to +0.15mA Resistance temperature detector: 0.9 ± 0.2mA
	Accuracy	± 0.15%FS
Output	Type	DC voltage, DC current
	Range	Range including 0mA: -10 to 100%FS
	Cycle	100ms
	Impedance	mA output: Min. 500kΩ mV output: Max. 60Ω Voltage output (V): Max. 10Ω

### Selection Guide

I II III IV V VI VII Example: IP300KC5A000012S1

Table	Selection	Description
I	Basic Model No. <b>IP300</b>	Millivolt converter
II	Standard range input	- (Refer to specification sheet)
III	Output range	- (Refer to specification sheet)
IV	Power voltage	<b>A</b> 100 to 240Vac, 50/60Hz
		<b>D</b> 24 to 48Vdc
V	Optional function	<b>00</b> None
VI	Additional processing	<b>00</b> None
		<b>T0</b> Torrid zone processing
		<b>E0</b> Intrinsic safety explosion proof (with zener barrier)
VII	Specified range input	<b>G0</b> Torrid zone processing and intrinsic safety explosion proof (with zener barrier)
		- (Refer to specification sheet)

### Dimensions

(unit:mm)

