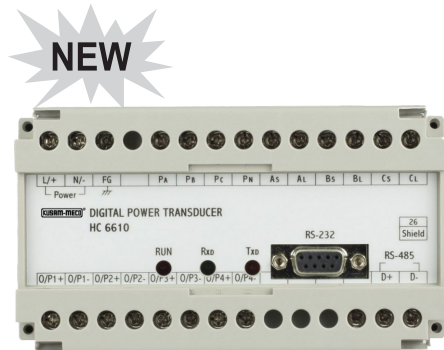


### General Specifications

- Over 90 power and energy parameters
- For factory and building automation
- Modbus (R) RTU or DNP3 protocol
- Maximum 600V
- True RMS conversion
- Instant maximum and minimum
- Build in RTC (real time clock)
- Field programmable PT / CT ratio
- Accuracy up to 0.15%
- 2 ports : RS485 + RS232
- 4 isolated analog outputs to transducer function
- Maximum demand control applicable
- Memory for all setup and energy data.
- Comprehensive self test diagnostics
- Low input burden 0.1VA (5A / 120V)



- Wide Power supply range AC/DC
- Compact physical configuration
- 2KV RMS input / output / power isolation
- Commonly for DIN rail-mounting
- Protective touch-proof terminals and enclosure meeting requirement of VBG4 & VDE 0106 part 100 (Germany)

### Measured Power Parameters:

Parameters	Accuracy	Phase 1	Phase 2	Phase 3	Phase 0	Total
VP x 3	0.15% fs	VP 1	VP 2	VP 3	A 0 (0.5%fs)	VPE
VL x 3	0.15% fs	VL 1	VL 2	VL 3		VLE
A x 4	0.15% fs	A 1	A 2	A 3		W
Watts	0.25% fs	W 1	W 2	W 3		Var
Vars	0.25% fs	Var 1	Var 2	Var 3		VA
VA	0.25% fs	VA 1	VA 2	VA 3		PF
PF	0.25% fs	PF 1	PF 2	PF 3		WH
WH	0.8% rd					VarH
VarH	0.8% rd					
Hz	0.03% rd					
Watt demand	0.25% fs					
Amper demand	0.15% fs					
Phase Rotation						

### Model : HC- 6610

Order : HC-6610-A-5.0A-H-3-A

Version	Option
Current input	N : No option
1.0A	A : Pulse output * 4
5.0A	B : Analog output * 4
7.5A	C : Analog outout * 2 + Pulse output * 2
Power	Y : Special ordering
H : AC 80-260V, DC 80-330V	Communication Port
Y : Special ordering	1 : RS - 485
	2 : RS - 232
	3 : RS - 485 + RS - 232
	Y : Special ordering

- Accuracy class coincident to tach auto-range scale
- Stability :-
  - Temperature range (-25 to 55°C)
  - Maximum 100 ppm/ °C
  - VP1 / VP2 / VP3 / VPE, phase to neutral voltage
- Note :-
  - VL1 / VL2 / VL3 / VLE, line to line voltage
  - A1 / A2 / A3 / AE, phase current
  - VPE / VLE / AE, 3 phase averaged
  - A0, neutral current
  - PF1 / PF2 / PF3, coincident to conversion element
  - WH / VarH accuracy vs limited input range :
    - Voltage  $\geq$  50V
    - Current  $\geq$  10% of rating
    - PF  $\geq$  0.5

### Main AC power input

- Range :
  - Voltage : 10~600V
  - Current : Suitable for CT secondary rating (optional), Maximum 6A for 5A rating: Maximum 1.2A for 1A rating
  - Power maximum 6500 (W/Var/VA)
  - Frequency 40-70Hz
- Burden :
  - Voltage : < 0.4VA at 600V/phase  
< 0.04VA at 120V/phase
  - Current rating < 0.1VA / phase

All Specifications are subject to change without prior notice