



## VARIABLE FREQUENCY DRIVE S1100 MODEL S10-4T15G

Item code: S10-4T15G

A Variable Frequency Drive (VFD) is a type of motor controller that drives an electric motor by varying the frequency and voltage supplied to the electric motor. Other names for a VFD are variable speed drive, adjustable speed drive, adjustable frequency drive, AC drive, microdrive, and inverter.

### FEATURES:

- Professionally customised core computing program.
- Smooth shift on forward and reverse rotation.
- Automatic torque compensation.
- Automatic slip compensation.
- Advanced control technology of switching 3-phase to 2-phase, reduces heat by 33.3o/o.
- Adopting nanometer manufacturing technology.
- CPU with built-in dual core dramatically improves the computing speed.

### Reliability

- Protect function: over voltage(OU), low voltage(LU), over current(OC), over heat(OH), over load(OL).
- Over voltage and over current stall prevention.
- The technology of integration hardware and software wave filtering for better anti-jamming effects.
- 3-level prohibited frequencies can avoid resonance effectively.
- Braking using software control, be able to adjust brake-bit and brake occupying coefficient.

### High Performance

- Automatic torque compensation-start torque can be up to 150% at 2HZ.
- Automatic slip compensation-more accurate speed.
- Ultra-low noise-motor runs more stably.
- High overload capacity-150% rated torque can last for 65 seconds.



## Multi-Function

- PIO feedback control.
- Oscillation frequency function.
- Built-in PLC enables 16-level speed program running.
- Multifarious frequency input methods:
  - pulse input,
  - AVI/ACI superimposed,
  - UP/DOWN, RS-485.
- Multifarious control methods:
  - operation control,
  - exterior terminal,
  - two-line/three-line control,
  - RS-485 control.
- Multifarious stop methods:
  - (OFF stop, stop for AVI zero).
- Multifarious input methods:
  - external EF,
  - counting input,
  - frequency switching,
  - Pendulum frequency input and so on.

- Multifarious output methods:
  - multi-function relay output,
  - multifunction collector open circuit output.
- Multifarious output methods:
  - indication of forward and reverse rotation,
  - counting arrival.
  - program operation,
  - and faults.

## Other functions:

- power failure memory.
- running-locked when power on.
- automatic voltage regulation (AVR).
- DC brake.
- password protection.

## HOW TO ORDER:

| Product Series           | Input Voltage                                       | Applicable Motor   | Purpose Application   | Example Code       |
|--------------------------|---|--|---|--------------------|
| Variable Frequency Drive | 2T - 220V (1 phase or 3 phase)<br>4T - 440V 3 Phase | 0.75 - 0.75KW<br>1.5 - 1.5KW<br>2.2 - 2.2KW<br>3.7 - 3.7KW<br>5.5 - 5.5KW<br>7.5 - 7.5KW<br>11 - 11KW<br>15 - 15KW<br>18.5 - 18.5KW<br>22 - 22KW | G - For General Purpose Application<br>P - For Variable Torque Load |                    |
| <b>S1100-</b>            | <b>4T</b>   | <b>15</b>  | <b>G</b>  | <b>S1100-4T15G</b> |

## INSTALLATION DIMENSIONS:

| Code        | Width | Height | Depth |
|-------------|-------|--------|-------|
| S1100-4T15G | 250   | 403    | 216   |

# PETRO Contact Information

## AFRICA

### South Africa

Factory 14 Bentonite Street  
Alrode, Alberton, Johannesburg  
South Africa  
P: +27 (0)11 864 7758  
F: +27 (0) 11 864 1649  
E: sales@petroindustrial.co.za

## UAE

### Dubai

Office LB17330, Lobby Building 17  
Jebel Ali Free Zone  
PO Box 18602  
Dubai, United Arab Emirates  
P: +971 488 76688  
F: +971 488 76932  
E: salesuae@petroind.com

## AUSTRALIA

### Eastern Australia

Factory 2, 106 Potassium Street  
PO Box 407  
Narangba QLD 4504  
P: 07 3204 9558  
F: 07 3293 4852  
E: sales@petroindustrial.com.au

### Western Australia

173 Mulgul Road, Malaga WA 6090 AU  
P: +61 (8) 6305 0855  
E: saleswa@petroperth.com.au

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