



Catálogo de Produtos

Electrical amplifier type VT-5000

BEIJING HUADE HYRAULIC INDUSTRIAL GROUP CO.,LTD	Electronic amplifier type VT5000 Series 20/VT5009 Series 20 for the control of solenoid-controlled vane pump	RC29923/9.2006
		Replaces RC 29923/04.1998

VT5000 and VT5009 are used for controlling programming flow and pressure control variable vane pump

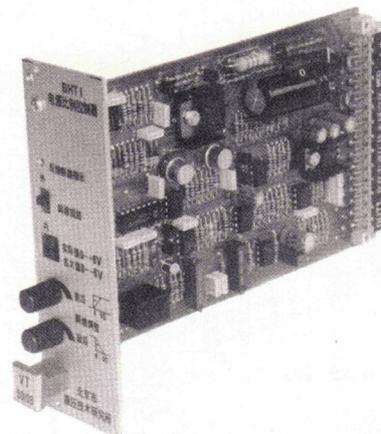
VT5000 are used for type V4 variable vane pump, size 20–80.

VT5009 are used for type V4 variable vane pump, size 125

They basically consist of:

- smoothing circuit
- voltage stabiliser
- 2 stepping power amplifier
- 2 pulse width modulator
- Central function generator
- oscillator and demodulator for inductive positional feedback
- PID regulator

K3455/10



VT-5000S20

Technical data

Weight	0.40kg	
Total Weight with the card holder	0.55kg	
Supply voltage	Full bridge rectifier	24V _{eff} ± 10%
	Three phase bridge rectifier	24V–35V _{eff}
Power requirement	75VA	
Fuse wire	3A	
Controlled voltage	± 9V	
The min. load resistance control voltage	500 Ω	
Max. output current—Solenoid A	1.8A	
Max. output current—Solenoid B	800mA	
Min. output current —Solenoid B	100mA	
Oscillating frequency	2.5KHz	
Space requirement	30 mm	

For further details, please consult us!

Ordering code

VT-500 BS 20 *

for type 20...80 variable vane pump	= 0
for type 125 variable vane pump	= 9

32 pin linear plug as per DIN41612 (For EURO card format)	=S
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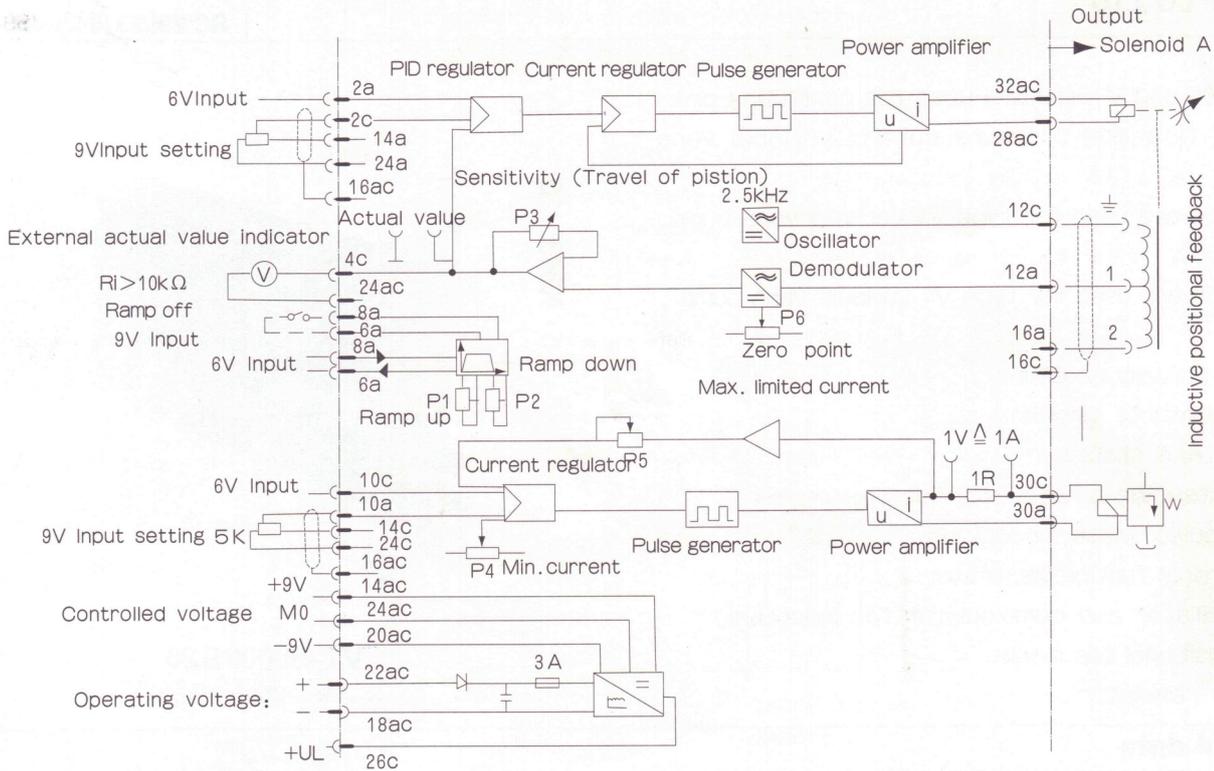
Further details in clear text

No code =	(only for VT5000)no ramp
R1 =	Max. ramp time1 _{sec}
R5 =	Max. ramp time5 _{sec}

20 =	20 Series(VT5000)
	(20–29=the amounting dimension remains unchanged)
10 =	10 Series(VT5009)
	(10–19=the amounting dimension remains unchanged)

Terminal Connections

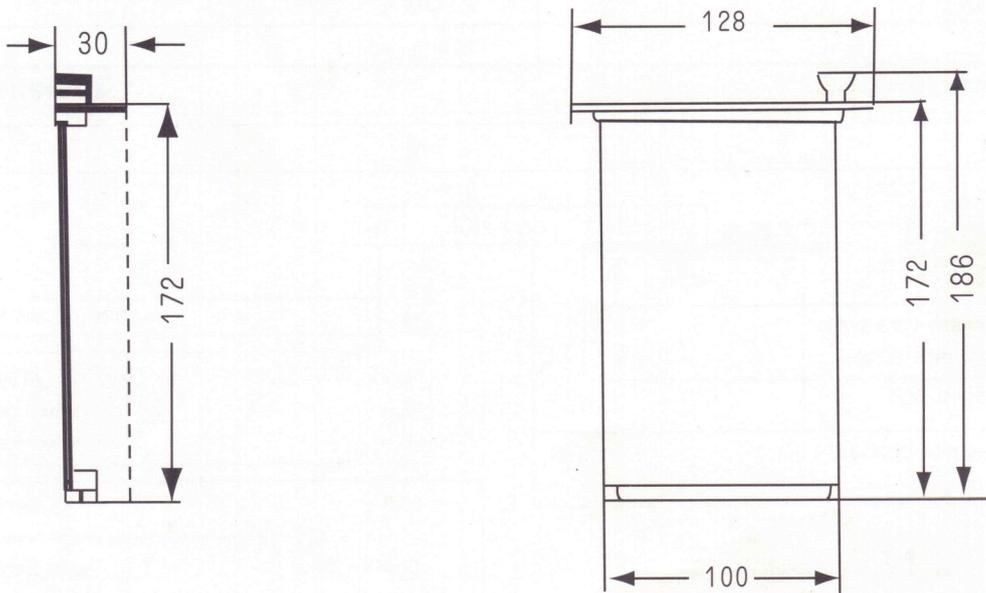
Amplifier VT 5000 S20
VT 5009 S10



- The amplifier card may only be plugged or unplugged when the power is off!
- Measurements to be made with a high resistance meter set on the voltage range!
- Do not connect measuring zero(M0)to 0V operating voltage!
- The distance to aerial lines, radio sources and radar equipment must be at least 1 meter
- Command level inputs may only be switched with contacts suitable for current of <1mA!
- Always shield command value cables; connect the shield on the card side to the 0V operating voltage, leave the other end open.
- Do not lay solenoid and signal cables near power cables.

Unit Dimensions

(dimensions in mm)



ANNOTATIONS :

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