



Catálogo de Produtos

Eletrical amplifier type VT-5005/5006

**BEIJING HUADE
HYDRAULIC INDUSTRIAL
GROUP CO.,LTD**

**Electronic amplifier
type VT5005... and VT5006..., series 30 for the control of direct
operated proportional directional valves with spool position feed-
back**

RC29949/9.2006

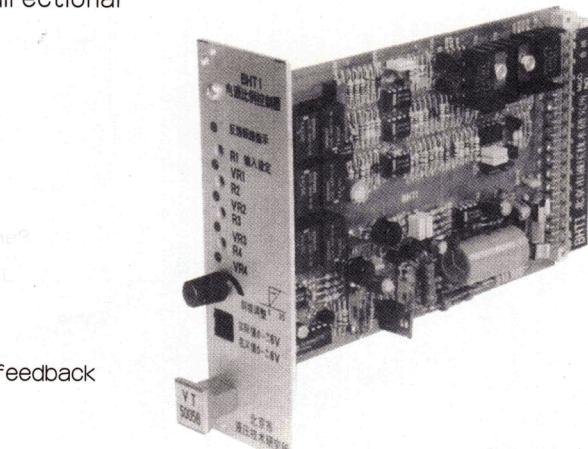
Replaces

RC 29949/04.1998

Amplifier type VT5005 and VT5006 are used for controlling the valve type 4WRE6...10 direct operated directional valves with spool position feedback

They basically consist of:

- a smoothing circuit
- Voltage stabiliser
- 2 Switching power amplifier
- Pulse width modulator
- oscillator and demodulator for the inductive position feedback
- PID regulator
- 4 potentiometers for pre-setting of input signals
- Relais for selecting the input signals
- Ramp generator
- Step function generator
- Differential amplifier input



R85/75
VT5005 S 1X/

Suitable card holders
VT — 3002 RC 29916
VT — 1516 RC 29915
VT — 1700 RC 29917

Technical data

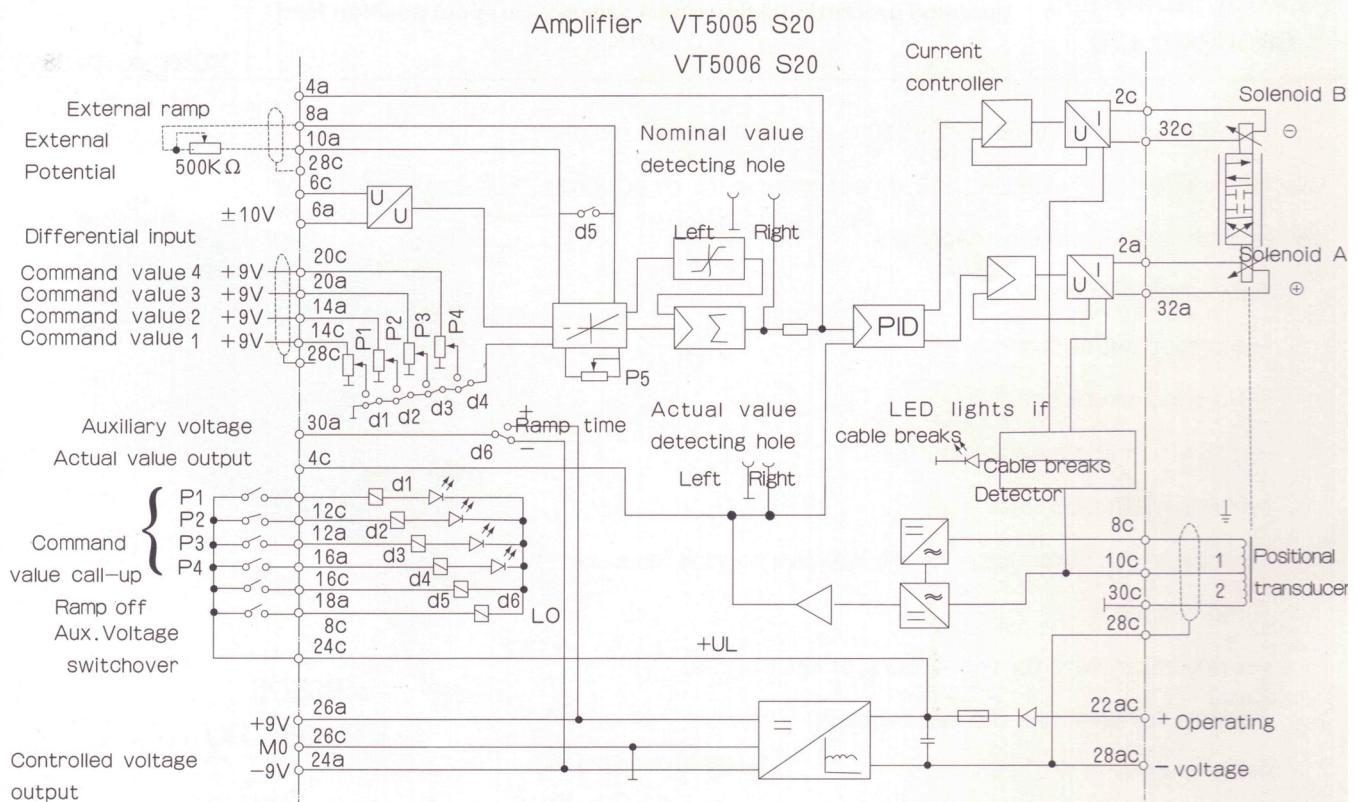
Weight	0.40kg	
Supply voltage	Full wave rectification	24V _{eff} ± 10%
	3 phase supply	24V–35V _{eff}
Power requirement	50VA	
Fuse wire	3A	
Controlled voltage	± 9V	
The min. load resistance control voltage	500Ω	
Max. output current—Solenoid A	2.2A	
Ambient temperature	0...45°C	
The frequency of oscillation	2.5KHz	
Space requirement	40mm	

For further details, please consult us!

Ordering code

VT 500	BS	30	/	*	
For valve type 4 WRE6...	= 5				Further details in clear text
For valve type 4 WRE10...	= 6				
32 pin linear plug as per DIN41612 (EURO card format)	=S				
			R1 =	Max.ramp time 1 sec	
			R5 =	Max.ramp time 5 sec	
		10 =		10 Series	
				(10–19=the amounting dimension remains unchanged)	

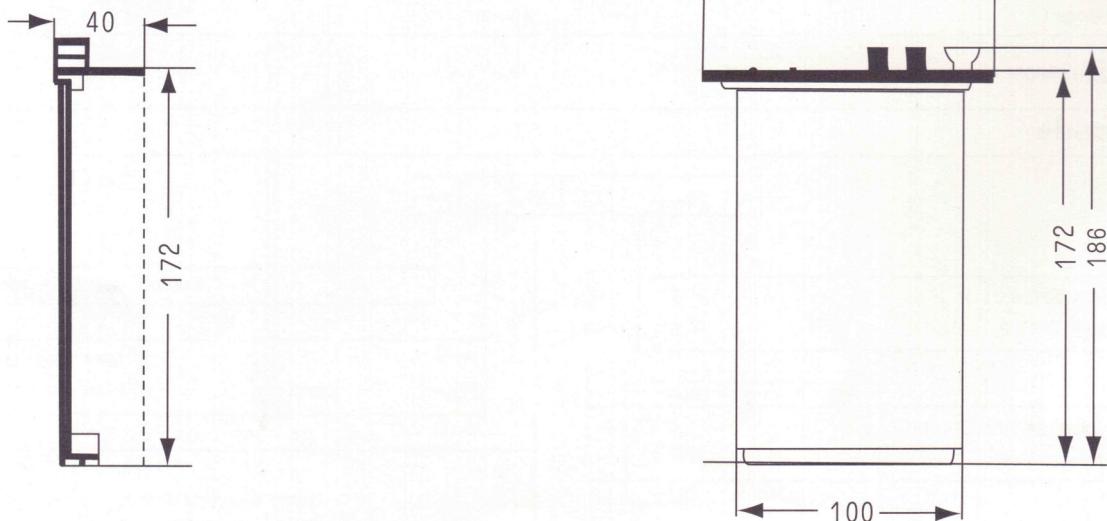
Terminal connections



- The amplifier card may only be plugged or unplugged when the power is switched 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 :

HUADE AMÉRICA

CEP : 03162-020

RUA HIPÓDROMO 1445 – MOOCA, SÃO PAULO, SP, BRASIL

TEL : (11) 3186-5959

huade@huade.com.br

www.huade.com.br