MEROBEL Fabricant

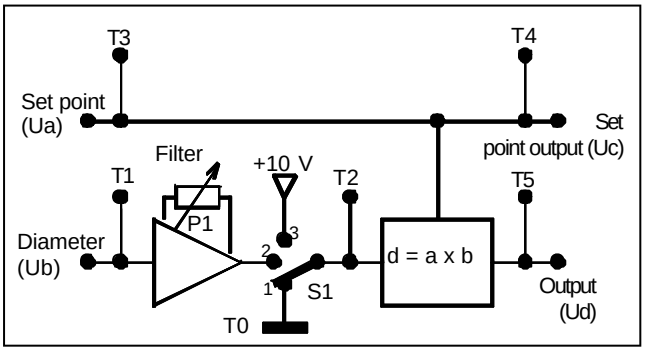
US Ampli

Ref: 336 100 02

Features :

Power supply	[V]	24 AC/DC
Max power consumption	[VA]	3
Input / Output	[V]	0 à 10 DC
Input impedence	[Kohms]	> 100
Output current	[mA]	< 5
Room temperature	[°C]	-10 à +40

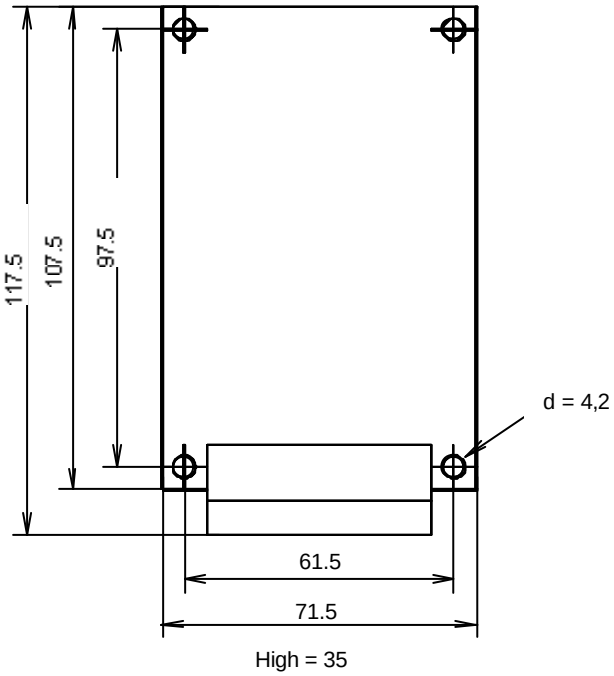
Principle :



Offers :

- Remote control by potentiometer or analog voltage 0 to10 V
- 24 V AC or DC
- Compact design
- 4 - 20 mA remote control (on request)
- Plug-in connector
- E.M.C requirements compatibility

Dimensions :



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Electrical wirings :

Connections

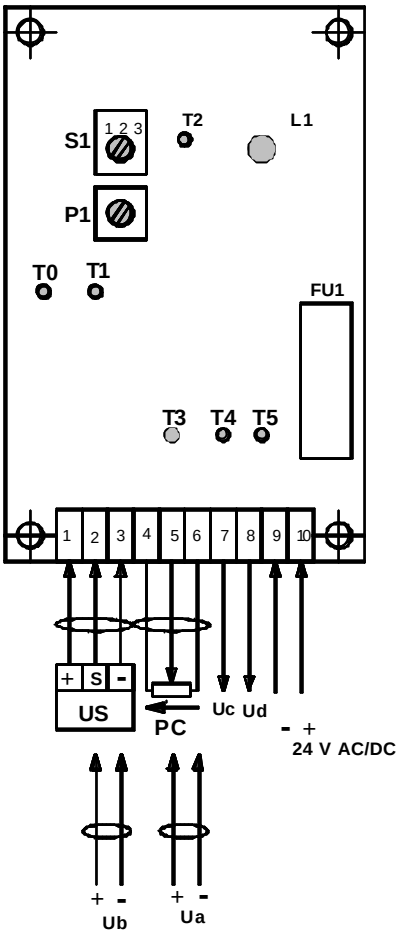
1	US sensor supply(+15VDC)
2	Diameter info (0 -> 10 VDC)
3	0 V
4	Potentiometer supply (+10 VDC)
5	Set point Ua (0 -> 10 VDC)
6	0 VDC
7	Sepoint output Uc (0 -> 10 VDC)
8	Output Ud (0 -> 10 VDC)
9	0 V
10	24 V AC/DC

Test points and Leds

T0	0 V
T1	Diameter information Ub (0 -> 10 VDC)
T2	Calibration switch S1 output
T3	Set point Ua (0 -> 10 VDC)
T4	Output set point Uc (0 -> 10 VDC)
T5	Output Ud (0 -> 10 VDC)
L1	Power supply 24 V AC/DC

Potentiometer and Switch

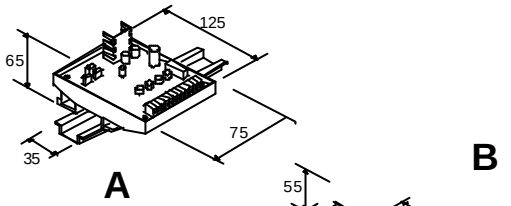
P1	Filter (diameter information) Ub
S1	Calibration switch

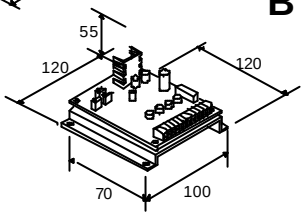


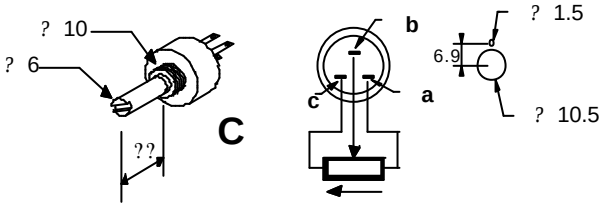
Options :

Remote control type	Reference
4 -20 mA (current remote control)	336 102 01

Accessories		Reference
DIN rail fixing 75	A	336 602 00
Metal plate 75	B	336 601 00
Potentiometer 10K	C	323 054 01
May be used with :		
NR7 Ultrasonic sensor		920 715 01
PWR 2A power supply		336 600 01
PWR 5A 24 power supply		336 603 00



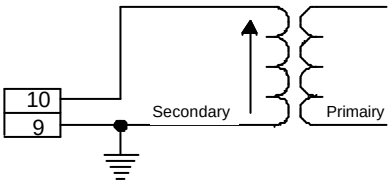




Note :

- Equipotential point is available on terminal 9.

- When earthing the secondary of the transformer, please use the opposite sketch :



MEROBEL
Zone industrielle BP 79 45210 Ferrières - France
Tel.: +33/(0)2 38 94 42 44 - Fax: +33/(0)2 38 94 42 45
Internet : http://www.merobel.com

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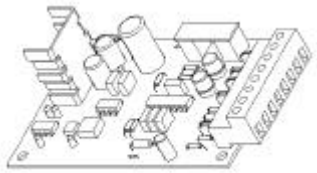


Caractéristiques techniques :

Tension d'alimentation	[V]	24 AC/DC
Puissance consommée max	[VA]	3
Tension des entrées / sorties	[V]	0 à 10 DC
Impedance d'entrée analogique	[K?]	> 100
Courant de sortie analogique	[mA]	< 5
Température ambiante	[ºC]	-10 à +40
Fusible type T	[A]	0.5

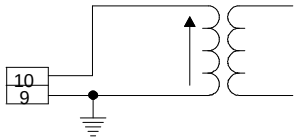
Features :

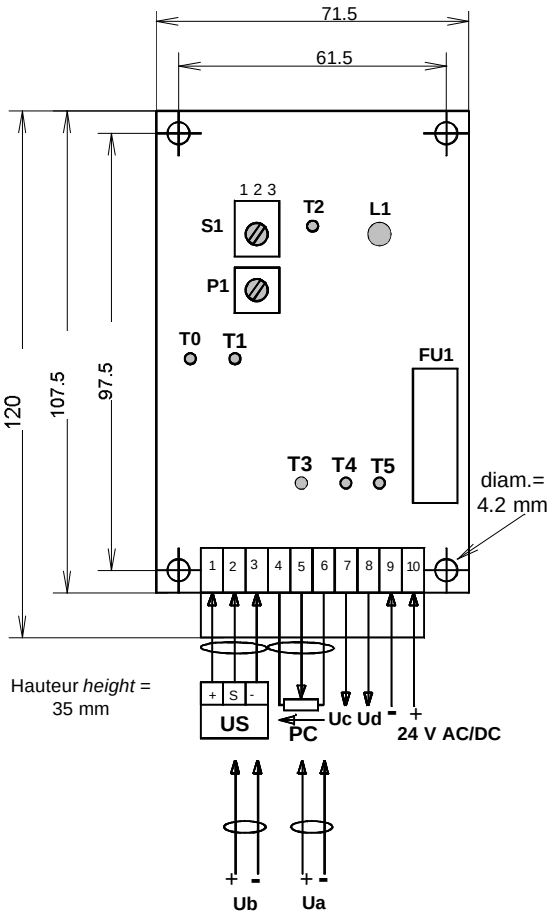
Input Voltage	*[V]*	*24 AC/DC*
Maxi. output current	*[VA]*	*3*
Input/Output voltage	*[V]*	*0 to 10 DC*
Analog Input Impedence	*[K?]*	*> 100*
Current (output voltage)	*[mA]*	*< 5*
Room temperature	*[ºC]*	*-10 to +40*
Fuse type T	*[A]*	*0.5*

Note :

- Le point équipotentiel de la carte est matérialisé par la borne 9 . Dans le cas ou l'une des phases du secondaire du transformateur est à la terre, il convient de la raccorder obligatoirement à la borne 9 (voir schéma ci-dessous) :

- *Equipotential point is available on terminal 9. When earthing the secondary of the transformer, please use the underneath sketch :*





Raccordements électriques :

Connexions

1	Alimentation capteur US (+15VDC)
2	Info diamètre (0 -> 10 VDC)
3	0 V
4	Alimentation (+10 VDC) pot. consigne PC (10 K)
5	Consigne Ua (0 -> 10 VDC)
6	0 VDC
7	Sortie consigne Uc (0 -> 10 VDC)
8	Sortie commande Ud (0 -> 10 VDC)
9	0 V
10	24 V AC/DC

Points tests et Leds

T0	0 V
T1	Info diamètre Ub (0 -> 10 VDC)
T2	Sortie switch S1
T3	Consigne Ua (0 -> 10 VDC)
T4	Sortie consigne Uc (0 -> 10 VDC)
T5	Sortie commande Ud (0 -> 10 VDC)
L1	Témoin Alimentation 24 V AC/DC

Réglages

P1	Potentiomètre filtrage info diamètre Ub
S1	Switch de calibration

Attention : avant mise en route définitive, mettre S1 sur la position 2

Electric connections :

Connections

1	*Supply US sensor (+15VDC)*
2	*Diameter information (0 -> 10 VDC)*
3	*0 V*
4	*Supply (+10 VDC) supply potentiometer*
5	*Set Point Ua (0 -> 10 VDC)*
6	*0 VDC*
7	*Output set value Uc (0 -> 10 VDC)*
8	*Output drive Ud (0 -> 10 VDC)*
9	*0 V*
10	*24 V AC/DC*

Test Points and Leds

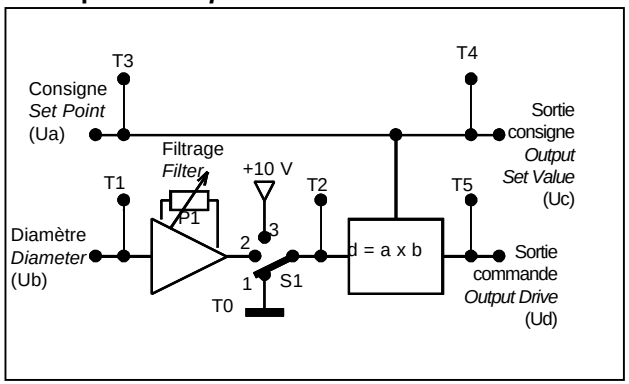
T0	*0 V*
T1	*Diameter information Ub (0 -> 10 VDC)*
T2	*Output switch S1*
T3	*Set Point value Ua (0 -> 10 VDC)*
T4	*Output Set Point Uc (0 -> 10 VDC)*
T5	*Output drive Ud (0 -> 10 VDC)*
L1	*Supply led 24 V AC/DC*

Potentiometer and Switch

P1	*Potentiometer filter Diameter information Ub*
S1	*Calibration Switch*

Caution : before turning ON, put S1 on position 2

Principe / *Principle*



MEROBEL
Zone industrielle
45210 Ferrières
T 33 (0)2 38 94 42 44
F 33 (0)2 38 94 42 45
E-mail : merobel@merobel.com

fiche NU336 100 02/01 0400