FUR-N

FAST F/V CONVERTER

Response time :
< 10 µs with speed sensor
< 3 µs with encoder
Programmable
Dedicated to :
- Fast & accurate engine speed measurements
- Acyclism measurements

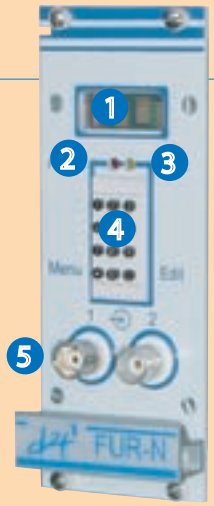
FUR-N is dedicated to engine speed and acyclism measurements. The user sets the number of input pulse/rev. and the output range in rpm

. The FUR-N is housed in a 3U-10TE module.

Different parameters (encoder resolution, max/min speed) can be easily modified in order to set the input signal range from 1 Hz to 300 kHz. Encoder or magnetic pick-up can be used.

FUR-N

FAST F/V CONVERTER



FRONT PANEL DETAILS

1. 4 digit alphanumeric for parameters values.
2. The red Led indicates the range limits
3. The yellow Led indicates the status of the converter
4. Miniature data input unit to set parameters.
5. BNC inputs. These inputs are also available on the rear of the module / cabinet.

RACK WITH FILTERED POWER STAGE

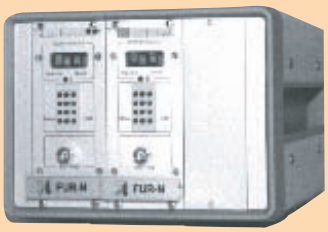
- CH902 - SB : This 28TE - 3U frame format and can house 2 modules.
There is a choice of power supply :
- Mains (85 - 265 VAC)
- Battery (9 - 18 VDC)

Inputs / outputs and serial line to program the modules are mounted on the rear panel.

- CH904 - SB : This 63TE - 3U format and can house 4 modules. It has the same specification as the CH902 - SB.

- CH908 - SB : This 19'' frame can house 8 modules. It is only mains powered ,the Inputs / outputs and serial line to program the modules are mounted on the rear panel

CH902-SB :
with 2 FUR-N modules



SPECIFICATIONS

INPUTS :

- In / out isolation :	1500 VRMS
- Type :	Sensor : (60-2 or 60) inductive Encoder : 1 to 3600 pulses / rev
- Sensibility :	>50 mV peak to peak

POWER SUPPLY :

- ± 5V ± 5% :	Consumption : 250 mA max.
- ± 15 V ± 5% :	Consumption : 120 mA max.

OUTPUTS :

- Level :	0 - 10V, 16 bits
- Response time :	<10µs

LIMITS :

- Low :	2 rpm
- High :	Max. Freq. : 300 kHz

Revolution limits 5000 rpm with 3600 tops

ORDERING INFORMATION

XXX-X	X-XXX		X	XX	
	Function	**Input Type**	**Communication**	**Dimension**	
FUR-N	C : Magnet pick-up	5V power supply	A : RS232	M : Module	1 : Profondeur 160 mm
		12V power supply		C : Board	2 : Profondeur 220 mm
	T : Encoder	20mA power supply	S : RS 485	S2 : Module for mains supply.	
				B2 : Module for battery supply.	

D2T - Z.A. de TRAPPES-ELANCOURT - 11 rue Denis Papin - 78190 TRAPPES - FRANCE
Tel +33 (0) 1 30 13 07 07 - Fax +33 (0) 1 30 13 07 10 - e-mail d2t@d2t.fr - internet www.d2t.com