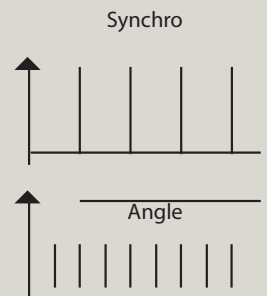


PULSES ENCODER MULTIPLIER

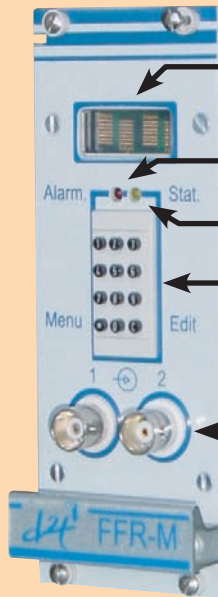
- Thermal engine analysis**
- Crank angle synchronisation**
- 60-2 cogwheel**

The user defines parameters such as the number of flywheel teeth and the multiplier coefficient

- ✓ Reproduce the missing pulses from a 60-2 timing ring
- ✓ Generate accurate timing pulses
- ✓ Entirely programmable
- ✓ Resolution of 0.2° upto 15,000 rpm and 0.1° upto 10,000 rpm



FRONT PANEL DETAILS



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

RACK WITH FILTERED POWER STAGE

CH902-SB : this 3U-28TE frame format can house 2 modules. The power supply can be chosen:

- Mains (85-265 V a.c.)
- Battery (9-18 V d.c.)

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

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

CH908-SB : this 19" frame can house 8 modules. Mains powered only. The inputs/outputs and serial line to program the modules are mounted on the rear panel.



CH902-SB:
WITH 2 FFR-M MODULES

SPECIFICATIONS

Channels per unit	1
Operating temperature	-20°C to +50°C
INPUTS	
Number	2, angle and sync
Inputs/Outputs isolation	1,500 V _{RMS}
Type	sensor or encoder
Impedance	20 or 350 Ω
Sensitivity	400 mV peak (sensor)
Voltage peak protection	60 V transitory (sensor)

OUTPUTS	
Number	2, angle or sync
Level	5 V or 15 V selectable
Impedance	6 Ω
Short-circuit protection	Yes
Voltage peak protection	Yes, transitory
PERFORMANCE	
Speed	0 - 15,000 rpm
Max resolution	0.1° (at 10,000 rpm max.)
Digital PLL	20 bits
Timer	40 MHz

All D2T products benefit from a one-year back-to-factory parts and workmanship warranty. Technical specifications may be modified without prior notice.