



CREATIVE ELECTRONIC SYSTEMS

16 BIT NIM OUTPUT REGISTER
OR 1320

USER'S MANUAL

CAMAC Functions

F(0). A(0) Read back the output register onto R1 - R16
Q response

F(6). A(0-15) Read 8-bit identification codes Nos. 0-15
Q response

F(7). A(0-15) Read 8-bit identification codes Nos. 16-31
Q response

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F(16). A(0) Loads the output register from W1-W16 Q response
Q response

F(18). A(0) Selective Set of output register bits from W1-W16
Q response

F(21). A(0) Selective Reset of output register bits from W1-W16
Q response

F(24). A(0) Disable pulse mode. The content of the output register is connected directly to the outputs

F(25). A(0) When in pulse mode, executes a pulse on the active outputs of duration equal to S1. No action when in normal mode.

F(26). A(0) Enable Pulse mode. The contents of the output register are gated by F(25). A(0) or Ext. Pulse input before being connected to the outputs

F(9). A(0) Clear the output register (set all bits zero)

Z Clear LAM, output register, disable pulse mode

C and I not used

All functions generate X-response

Ordering information

OR 1310

Specifications

Outputs : Lemo 00 - NIM level

Ext. Pulse : Lemo 00 NIM level
Input high impedance
bridged input

Pulse shape: tr max 6ns.
tf max 8ns.

Pulse shape:
minimum FWHM width: 12 ns.
minimum FWHM width
at output: 8 ns.

propagation delay: 19ns. \pm 2ns.

LEDs display contents of the output register and the module status (normal or pulse mode)

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If required, the OR 1320 generates a LAM when programmed in pulse mode with the external pulse strobe, after the end of the strobe signal.

This facility is selected by a jumper located between IC14 and IC18. The associated CAMAC commands are:

F(8). A(0) Test LAM
Q response if L=1
F(10). A(0) Clear LAM

Power requirements :

+ 6V : 1.4A
- 6V : 0.6A