



ADVANCED
RESEARCH INSTRUMENTS
CORPORATION

5151 Ward Road, Suite 1 xxxx
Wheat Ridge, CO 80033 xxxx

Telephone +1(303) 463-5500 xxxx
Facsimile +1(303) 463-5505 xxxx

<http://www.aricorp.com>



F-1T PREAMPLIFIER/DISCRIMINATOR FOR Na(Tl) SCINTILLATION COUNTER

SPECIFICATIONS

Input Connector	BNC
Input Impedance	100k Ω (500k Ω Optional)
Input Noise	100 μ Vp-p (1nAp-p)
Input Sensitivity	25 femto Coulomb (10 μ s pulse)
Input Useful Range	250 μ V – 25mV
Maximum Pulse Repetition Rate	1 MHz
Discriminator	Lower and upper level or lower level only. (Switch Selectable)
Discriminator Range	250 μ V – 25mV of input
Output Signal	TTL
Output Connector	BNC
Power Requirements	\pm 12Vdc 50mA
Recommended Power Supply	F-100PS
Recommended Power Cable	T-P1-6
Recommended H.V. Power Supply	PMT-2000/2kV