

Large Area Detectors

Characteristics	MK-800
Active area	600 x 800 mm ²
Detector window	Al, thickness 10mm
Detection depth	35 mm
Anode wires	Gold-Tungsten
Wire spacing	5 mm
Filling gas	³ He + CF ₄
Dynamic range	single neutron detection

Electronics*	
Pre-amplifiers	built-in 5 pieces
TDC	2 types available: TOF/normal
Number of pixels	from 32 x 32 to 1024 x 1024
Dead-time	1.22 μs
Counting rate (global)	5 x 10 ⁵ cps
Time channel width (for TOF)	1 μs
Remote Control	Ethernet
Measurement Data Transfer	Ethernet
TOF data stored for each neutron	
XY projection, integration / open interfaces for easy integration to existing software	

*Commercial CFD, TDC units can be built in

