

NEW DETECTOR

MODEL FC-73A
Flange-mounted
Energy Analyzing
Faraday Cup

FEATURES / OPTIONS

INPUT: 4 WATTS MAXIMUM CONTINUOUS

APERTURES:

5.0 MM DIA STANDARD, 9.5 MM DIA MAX

OTHER APERTURE SIZES AVAILABLE

MOUNTED ON 2 3/4 CF FLANGE

GROUND, RETARDING, AND SUPPRESSION GRIDS

WITH FLANGE MOUNTED BNC/MHV CONNECTORS

FOR USE AS PARTICLE ENERGY ANALYZER

(SEE DISCUSSION IN FARADAY CUP INTRODUCTION)

5000 V MAX ON RETARDING GRID

MAXIMUM OPERATING TEMPERATURE: 350°C

FULLY BAKEABLE

HIGH TRAPPING EFFICIENCY

SECONDARY EMISSION SUPPRESSED

(ENTERING ELECTRONS HIT ANGLED INSIDE SURFACES,

REDUCING SECONDARY EMISSION YIELD;

ALSO ESCAPE OF SECONDARY ELECTRONS

IS REDUCED BY SUPPRESSION GRID)

VACUUM COMPATIBLE BNC FITTING

CUP ASSEMBLY COMPLETELY ENCLOSED BY GROUNDED SHIELD

OPTIONAL: PHOSPHOR SCREEN ON FRONT PLATE

(AROUND ENTRANCE APERTURE)



*FC-73A Faraday Cup, mounted with 2 3/4 CF flange (0.5X)
 showing shield removed and grid plate separate*

