

PYCKO SCIENTIFIC LIMITED

31 London Road, Grantham, NG31 6EX
Telephone 01476 401992
e-mail: bill@pycko.co.uk
www.pycko.co.uk

Your Alternative
To The Obvious

Model 44-110-2 Windowless Sample Counter Detector



INDICATED USE:	low-energy alpha and beta sample counting
DETECTOR:	windowless gas flow proportional
GAS FLOW:	typically 3 L/min, detector equipped with 3.2 mm (0.125 in.) hose connection and two-position switch flow valve
EFFICIENCY	(4 π): \approx 12.5%– ¹⁴ C, 38.7%– ⁶³ Ni, 48%– ²³⁹ Pu
BACKGROUND:	\approx 0.25 cps (15 cpm)
OPERATING VOLTAGE:	typically 1900 Vdc
SAMPLE HOLDER:	anodized aluminium tray with 2.5 cm (1.0 in.) diameter sample ring to allow for 2.5 or 5.1 cm (1.0 or 2.0 in.) diameter samples
SAMPLE SIZE	(maximum): 5.1 x 0.9 cm (2.0 x 0.4 in.) (Dia x L)
COMPATIBLE INSTRUMENTS:	typically used with Model 2000, Model 2200, Model 2929, and others
CONNECTOR:	Series "C"
CONSTRUCTION:	aluminium housing with beige powder coat paint
TEMPERATURE RANGE:	-20 to 50 °C (-4 to 122 °F)
SIZE:	15.2 x 11.4 x 23.6 cm (6 x 4.5 x 9.3 in.) (H x W x L)
WEIGHT:	1.5 kg (3.3 lb)