



SALIENT FEATURES

- Quick Response
- Relay Contact Output
- Alarm Setting
- Battery Backup

TECHNICAL SPECIFICATIONS	
<u>NUCLEAR</u>	
Radiation Detected	γ (Gamma)
Detector	Internal GM tube with energy compensation (effective length = 1.5", Effective diameter = 0.56")
Energy Response	60 KeV to 1.5 MeV
EHT	Typical 500V
Response Time	2 sec. above 1 mR/h
Measurement Ranges	0.01 to 99.99 mR/hr
Accuracy	$\pm 15\%$
<u>INDICATIONS/INTERFACE</u>	
Display	4 digit, 0.5" LED, seven segments
Alarm Indication	<ul style="list-style-type: none"> • Normal condition indicated by green LED (below set level). • Active condition indicated by flashing red LED & loud audible sound (above set level) by loudspeaker/buzzer. • Detector faulty operation initiates alarm with flashing red LED & 'FLT' message on display.
Alarm Point	Settable
Alarm Output	One set of potential free relay contacts normally remains energised & get de-energised in case of alarm.
Controls	Acknowledge: to mute the audio alarm. Reset: to reset the 'active' indication. Auto reset by internal setting.
<u>MECHANICAL/ELECTRICAL</u>	
Power	230V AC + 10%, 50 Hz with battery backup
Size, Weight	240 mm x 155 mm x 75 mm approx. (wall mounting) 1800 gms.
<u>ACCESSORIES</u>	
Manual	
<u>DOCUMENTATION</u>	
AERB approved lab calibration certificate valid for 2 years included.	
<u>OPTIONS (At Extra Cost)</u>	
External GM probe with 10 m cable	
PC Connectivity	<ul style="list-style-type: none"> • Ethernet modbus TCP 10/100 mbps

Note: Optional at Extra Cost.

- Due to continuous R&D, specification are likely to change without notice

CAT PAM452/1018

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