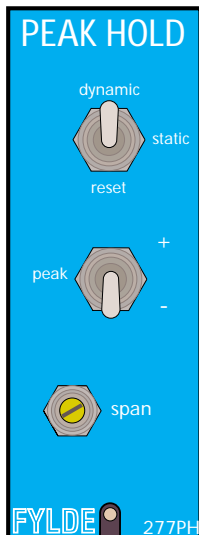


## FE-277-PH peak hold module



- \* DUAL POLARITY
- \* LOW DROOP
- \* HIGH ACCURACY
- \* INTEGRAL POWER SUPPLY
- \* WIDE INPUT RANGE
- \* DESIGNED and PRODUCED in UK

This Peak Hold module (Peak catcher) is one of the wide range of FYLDE analogue instrumentation modules. It is compatible with amplifiers and signal conditioners in the range, and will give precise indication of maximum level in range  $\pm 10V$ .

Response time is such that it will follow a signal with a rise time of  $< 1\text{msec}$  and hold the maximum value to an accuracy of 0.1%. Droop of the output may be as low as  $1\text{mV} / \text{min}$ . i.e.  $< 1\%$  of the range for over 1 hour.

Instantaneous reset by either front panel control or remote contact closure restores the output to the quiescent signal level.

Continuous operation of the reset control allows the output to follow the input during setting up or for calibration purposes.

Front panel switch allows change-over from positive to negative peak detection.

Power requirement is 200-250V AC or alternative 100-120V a.c. 50/60Hz. 12V d.c. power may be utilised by fitment of an FE-605-DCC converter.

Circuitry is earth free.

Up to 16 modules (plus power switch module) fit standard 2u-U17 crate. 8 in an MC8 1/2 rack and 2 in an MC2.

A wide range of compatible amplifiers and signal conditioners are available.

**SPECIFICATION**

INPUT	Voltage Range. Impedance Offset Voltage Bias Current	$\pm 10$ Volts 100 k <5 mV <100 nA
GAIN		Unity $\pm 0.1\%$
OUTPUT	Voltage Current Impedance	0 to $\pm 10$ Volts 0 to $\pm 10$ mA < 1
RISE TIME	to maximum output (10 V)	<100 $\mu$ s
ACCURACY	(of peak detection)	$\pm 0.2\%$ of reading
TYPICAL DROOP	(drift of held signal)	< 1 mV/s
RESET	local remote time	by front panel switch by contact closure < 10 ms to reset to quiescent level
POWER	Requirement	Mains 200 - 250 V 50/60Hz. Alternative 110 V option, or 12 V D.C. via DC-DC converter option.
PRESENTATION		1" wide module 2U high rack system compatible with all standard FYLDE housings.
FRONT PANEL CONTROLS	Peak Dynamic Static Reset Span	Selects positive or negative peak. Selects fast droop. Selects minimum droop. Resets peak detection. Control for UV galvanometer output.