

# 고주파시험기

## High frequency transducer amplifier

장비관리번호	M2011-0193
취득일자	2011-08-31
제조회사	Fylde
모델명	FE-H527-SGA(Fylde)
설치형태	이동식



장비용도	· strain gauge로부터 얻은 고주파 data를 증폭(amplifying)
시험항목	· 동적 변형을 측정 시험
주요사항	<ul style="list-style-type: none"> <li>· STRAIN GAUGE POWER SUPPLY               <ul style="list-style-type: none"> <li>Type Constant Current</li> <li>Current Setting 14.28mA (develops 5V in 350W)</li> <li>Impedance Approximately 70kW</li> <li>Stability 0.05% / °C</li> <li>Noise &lt;10nA RMS (equivalent to 1μStrain pk to pk in 350W)</li> <li>Indicators LED lamps indicate gauge energisation.</li> </ul> </li> <li>· AMPLIFIER               <ul style="list-style-type: none"> <li>Gain Range x100 to x 11,000 by switch and 10 turn dial setting.</li> <li>Switch x 100 and x 1000.</li> <li>Vernier x1 to x11 10 turn Vernier dial with lock facility.</li> <li>Accuracy 0.25%</li> <li>Stability &lt;50ppm / °C.</li> <li>3dB Frequency Response 1Hz to &gt; 50kHz</li> <li>1% Frequency Response 7Hz to 5kHz</li> <li>Phase Response 5° leading @ 10Hz</li> <li>5° lagging @ 500Hz</li> <li>Phase Match 1° from 10Hz to 1kHz</li> <li>Output Capability ±10V , ± 5mA</li> <li>Output Offset &lt;5mV</li> <li>Output Impedance &lt;10W</li> </ul> </li> <li>· FILTER Characteristic Low Pass 3 pole Butterworth               <ul style="list-style-type: none"> <li>Setting Range 50Hz to 20kHz by plug in resistor network. Factory Set at 200Hz.</li> </ul> </li> <li>· ENVIRONMENT               <ul style="list-style-type: none"> <li>Switch Printed Circuit Card switch allows Filter IN/OUT setting.</li> <li>Temperature 0-50°C</li> <li>Power Requirement 240V 50Hz Mains Standard.</li> <li>115V Mains to order.</li> <li>12V Battery powered to order.</li> <li>Format Standard Fylde Mini Instrumentation module interchangeable with Mini Amp, Uni Amp etc.</li> <li>Housing Compatible with Fylde 2U high instrumentation crates and cases.</li> </ul> </li> </ul>
구성품	· 본체 1개
담당자	· 천민철 031-460-5771