HSI-HV Isolated high voltage module

7 ranges ($\pm 20 \text{ V}$ to $\pm 1400 \text{ V}$) Input ranges:

Bandwidth: 2 MHz

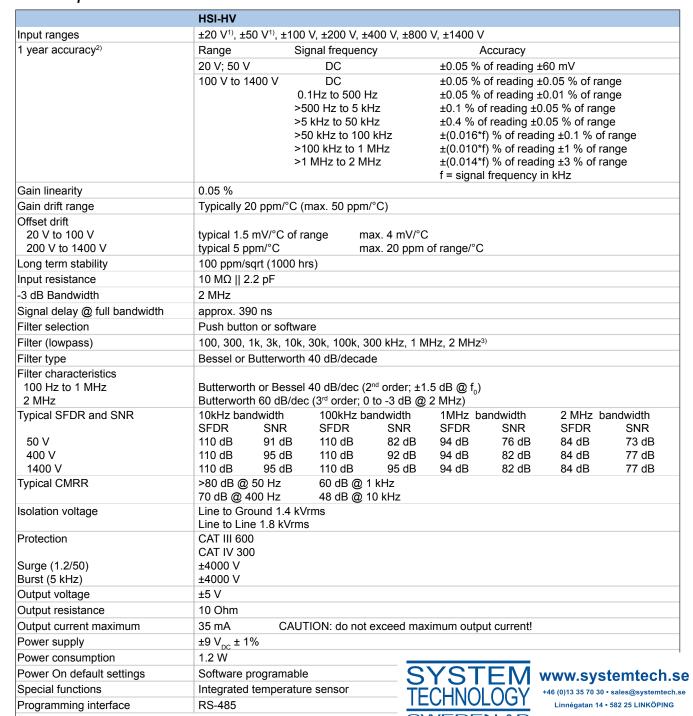
Isolation: 1.8 kV_{RMS} line to line

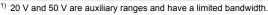
1.4 kV_{RMS} line to ground

Input impedance: 10 MΩ

Protection: 4 kV burst, surge Signal connection: Banana sockets

Module specifications





AC accuracy: the highest filter (2 Mhz) has to be activated. f = signal frequency in kHz.



²⁰ V range typically 0.9 Mhz 50 V range typically 1.9 Mhz

²⁾ Conditions for accuracy: Module temperature is calibration temperature ±5 °C; humidity is 30 to 90 RH;

for the 2 year accuarcy multiply all % of range and % of reading values by 1.5.

^{3) 2} MHz filter: exclusively Butterworth 60 dB/decade. Please consider possible bandwidth limitation of further components in the measuring chain, e.g. A/D cards or signal conditioning mainframe