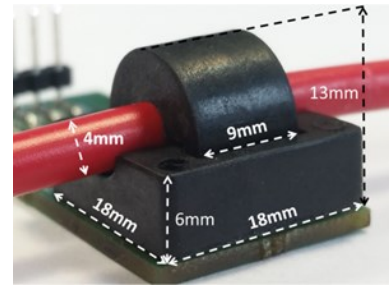


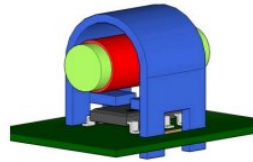
USP

- Clamp around an existing current cable
- Non-intrusive solution
- Coreless current sensor
- Easy PCB soldering
- Excellent output linearity
- High signal-to-noise and very fast response time (2μs)
- On-chip compensation for thermal and lifetime drifts

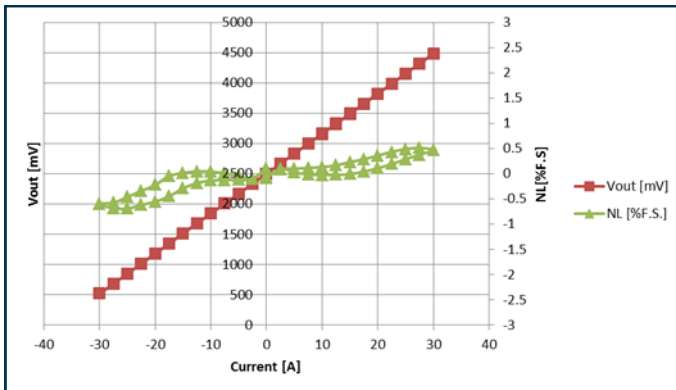


Concept

- IMC-Hall® sensor (MLX91208)
- UC Shield mounted on top
- Shield split in two parts
- Shield in plastic housing



Typical output characteristics and non-linearity for 30A calibration:
achieved non-linearity: < +/-0.5 %F.S., i.e. < +/-0.15A



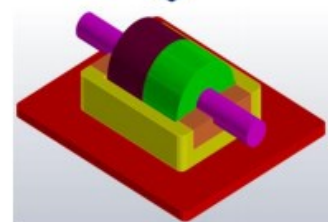
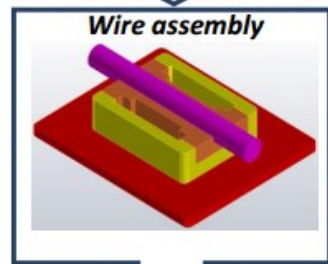
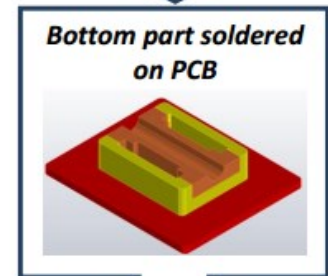
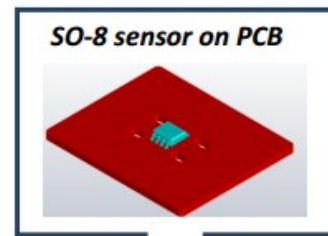
S=360mV/mT and
F.S.=2000mV



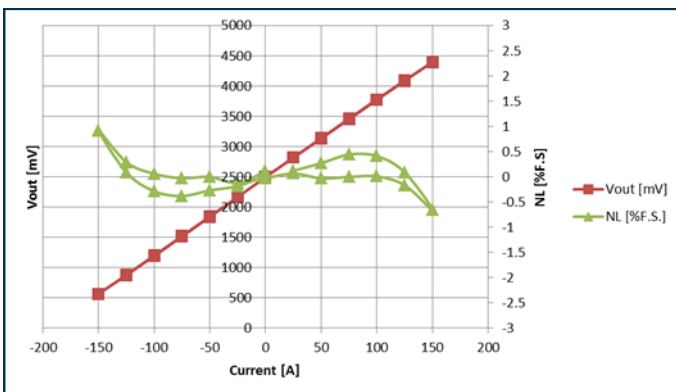
B=5,6mT



MLX91208CAL
recommended



Typical output characteristics and non-linearity for 150A calibration:
achieved non-linearity: < +/-1.5 %F.S., i.e. < +/-2.25A



S= 86 mV/mT
and
F.S.=2000mV



B=23,4mT



MLX91208CAH
recommended

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