



eGauge DC CT Specifications

Model: ESD-xxx-yyyy

The ESD series are bidirectional, split-core DC CTs. Applications for DC measurements include battery monitoring, solar string monitoring and other systems that utilize DC power.

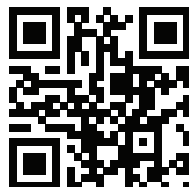
eGauge DC CTs use CTid technology for auto-detection and have an onboard LED which can be used to identify which CT is connected to a given sensor port. This is useful if the CT leads cannot be traced.

eGauge DC CTs are compatible with eGauge Core and Pro models and require the eGauge Sensor Hub. eGauge DC CTs are CE certified and are a UL recognized component.

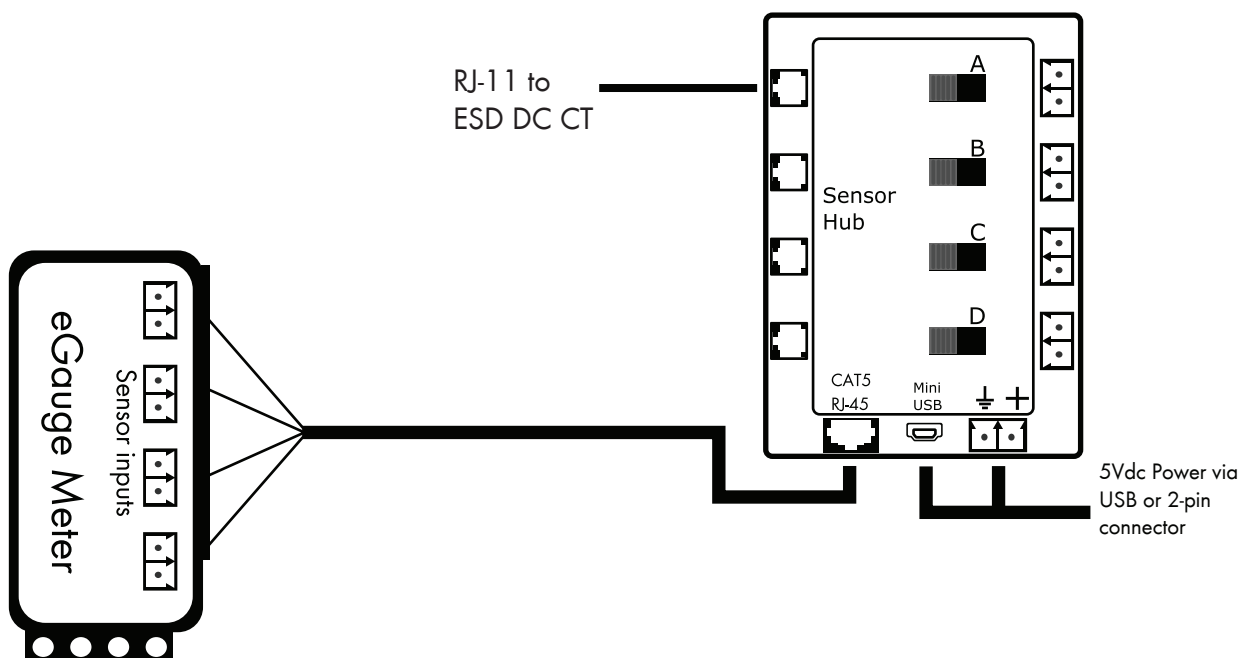


Sizes and Amperages	16mm - 50A	24mm - 100A	36mm - 300A
Linearity Error	Better than 2%		
Offset Error	Better than 1.5% of range		
Operating Temperature	-25 °C to 75 °C, 85% RH non-condensing		
Insulation Withstand Voltage	AC 1500V / 1 minute		
Insulation Resistance	DC 500V / 500 MΩ		
Standard Lead Wire	400mm, 26AWG* 4C; 5' (60'') length		
Raw Output	±471mV		
Power Supply	DC +5V ± 5%, 40mA (provided by the eGauge Sensor Hub)		

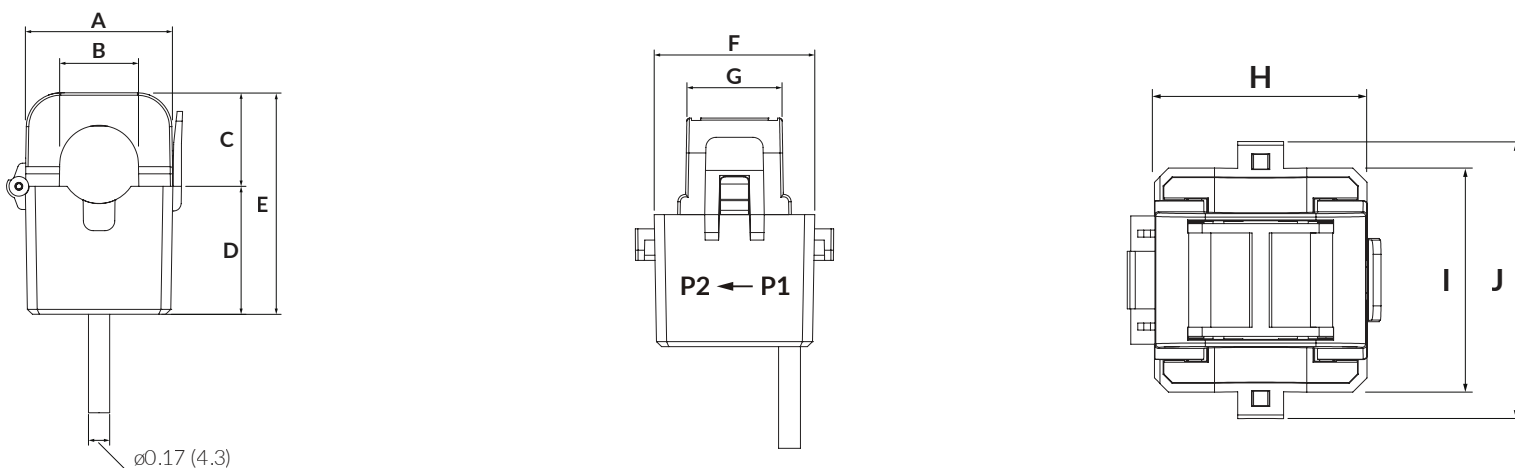
For more information visit egauge.net/support/m/esd



Sensor Hub Connection Diagram



Dimensional Diagrams [inch (mm)]



Dimension	ESD-016-YYYY	ESD-024-YYYY	ESD-036-YYYY
A	1.18 (30)	1.77 (45)	2.25 (57.1)
B	0.63 (16)	0.94 (24)	1.42 (36)
C	0.75 (19)	1.08 (27.5)	1.35 (34.4)
D	1.02 (26)	1.48 (37.5)	1.89 (48)
E	1.77 (45)	2.56 (65)	3.24 (82.4)
F	1.24 (31.6)	1.33 (33.7)	1.58 (40.2)
G	0.74 (18.8)	0.83 (21.1)	0.83 (21.1)
H	1.18 (30)	1.77 (45)	2.25 (57.1)
I	1.24 (31.6)	1.33 (33.7)	1.58 (40.2)
J	1.54 (39.05)	1.83 (46.6)	2.08 (52.8)