



Rshunt	
10bit => 0 to 1023 => 0 to 4,092V => Rint = 35mR	Vout = (Rsens * Rout * I) / 70 70 * 4.092 = Rsh * 2730 * I
10bit => 0 to 1023 => 0 to 1,023A => Rout = 8000R	250mA/V Rsens=35mR Radd= n.c.
10bit => 0 to 1023 => 0 to 3,069A => Rout = 3209R	750mA/V Rsens=35mR Radd= n.c. Rsh=35mR

10bit => 0 to 1023 => 0 to 10,230A => Rout = 2758R	0 to 4,092V Step = 10mA Rsens=35mR Radd=14,29mR 7 x 0,1R (100mW) 3K3 Rsh=10,15mR
10bit => 0 to 1023 => 0 to 20,460A => Rout = 2780R	0 to 4,092V Step = 20mA Rsens=35mR Radd= 17 x 0,1R (100mW) 3K3 Rsh=5,07mR
10bit => 0 to 1023 => 0 to 51,150A => Rout = 2736R	0 to 4,092V Step = 50mA Rsens=35mR Radd= 46 x 0,1R (100mW) 3K3 Rsh=2,005mR

10bit => 0 to 1023 => 0 to 20,46V