

# SAGE METERING, INC.

## Sage Third Party Approvals for Hazardous Service

Series	Meter Class	Integral/ Remote	Power	Insertion Meters	In-Line Meters	CSA	UL	Atex	Description	Notes
SIP	Industrial	Integral Approved (DC only)	DC	Approved	Approved	CSA C22.2 No. 213-M1987 (R1999), First Edition <sup>5</sup>	UL1604, Third Edition <sup>7</sup>	Ex nA IIC T4 <sup>5</sup> X	Class I, Div 2 <sup>9</sup> , Grps BCD T4 <sup>5</sup>	<sup>8</sup>
SIP	Industrial	Integral Not Approved (AC)	AC	Not-Approved	Not-Approved	No	No	No	N/A	<sup>8</sup>
SRP	Industrial	Remote Approved (DC only)	DC	Approved	Approved	CSA C22.2 No. 213-M1987 (R1999), First Edition <sup>5</sup>	UL1604, Third Edition <sup>7</sup>	Ex nA IIC T4 <sup>5</sup> X	Class I, Div 2 <sup>9</sup> , Grps BCD T4 <sup>5</sup>	Junction Box is Explosion Proof <sup>1,8</sup>
SRP	Industrial	Integral Not Approved (AC)	AC	Not-Approved	Not-Approved	No	No	No	N/A	Junction Box is Explosion Proof <sup>1,8</sup>
SIE	Heavy Industrial	Integral Approved	DC	Approved	Not-Approved	CSA C22.2 No. 30 & No. 142 (Insertion Only)	No	No	Class I, Div 1, Grps BCD, T3C <sup>3</sup>	Integral Enclosure is Explosion Proof <sup>2</sup>
SIE	Heavy Industrial	Integral Approved	AC	Approved	Not-Approved	CSA C22.2 No. 30 & No. 142 (Insertion Only)	No	No	Class I, Div 1, Grps BCD, T2 <sup>4</sup>	Integral Enclosure is Explosion Proof <sup>2</sup>
SRE	Heavy Industrial	Remote Approved	DC	Approved	Not-Approved	CSA C22.2 No. 30 & No. 142 (Insertion Only)	No	No	Class I, Div 1, Grps BCD, T3C <sup>3</sup>	Junction Box is Explosion Proof <sup>1,2</sup>
SRE	Heavy Industrial	Remote Approved	AC	Approved	Not-Approved	CSA C22.2 No. 30 & No. 142 (Insertion Only)	No	No	Class I, Div 1, Grps BCD, T2 <sup>4</sup>	Junction Box is Explosion Proof <sup>1,2</sup>
SIG	General Purpose	Integral Not Approved	DC	Not-Approved	Not-Approved	No	No	No	N/A	N/A
SIG	General Purpose	Integral Not Approved	AC	Not-Approved	Not-Approved	No	No	No	N/A	N/A
SRG	General Purpose	Remote Approved (DC only)	DC	Approved	Not-Approved	CSA C22.2 No. 30 & No. 142 (Insertion Only)	No	No	Class I, Div 1, Grps BCD, T2 <sup>4</sup>	Junction Box is Explosion Proof <sup>1</sup>
SRG	General Purpose	Remote Not Approved (AC)	AC	Not-Approved	Not-Approved	No	No	No	N/A	Junction Box is Explosion Proof <sup>1</sup>
SIL	General Purpose Blind	Integral Not Approved	DC	Not-Approved	Not-Approved	No	No	No	N/A	N/A
SIL	General Purpose Blind	Integral Not Approved	AC	Not-Approved	Not-Approved	No	No	No	N/A	N/A
SRL	General Purpose Blind	Remote Not Approved	DC	Not-Approved	Not-Approved	No	No	No	N/A	N/A
SRL	General Purpose Blind	Remote Not Approved	AC	Not-Approved	Not-Approved	No	No	No	N/A	N/A

## Sage Declaration of Conformity for European Union/ CE Mark/ EMC<sup>11</sup>

Series	Meter Class	Integral/ Remote	Power	Insertion Meters	In-Line Meters	EN Directives
SIP	Industrial	Integral Approved	DC	Approved	Approved	
SIP	Industrial	Integral Approved	AC	Approved	Approved	EN 55022, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6 and EN 61000-4-11
SRP	Industrial	Remote Approved	DC	Approved	Approved	
SRP	Industrial	Remote Approved	AC	Approved	Approved	

## Sage Declaration of Conformity for European Union/ Medical CE Mark/ EMC<sup>11</sup>

Series	Meter Class	Integral/ Remote	Power	Insertion Meters	In-Line Meters	EN Directives
SIP	Industrial	Integral Not Approved (DC)	DC	Not Approved	Not Approved	N/A
SIP	Industrial	Integral Approved (AC Only)	AC	Approved	Approved	EN 60601-1-2 (Medical) plus EN Directives for Standard CE <sup>10</sup>
SRP	Industrial	Remote Not Approved (DC)	DC	Not Approved	Not Approved	N/A
SRP	Industrial	Remote Approved (AC Only)	AC	Approved	Approved	EN 60601-1-2 (Medical) plus EN Directives for Standard CE <sup>10</sup>

### NOTES

<sup>1</sup>Junction Box has the following Certifications: Class I, Grps BCD, Class II, Grps EFG, Class III; 4X, 7BCD, 9EFG; FM Standard 3615; UL Standard 1203; CSA Standard C22.2 No. 30, and NEMA Compliance

<sup>2</sup>Integral Enclosure has the following Certifications: Class I, Group BCD, Class II, Group EFG, Class III; Cenelec: Excd IIC, 1P66, NEMA 4X, 7BCD, 9EFG

<sup>3</sup>T3C Rating has 320 F (160 C) Gas Ignition Temperature

<sup>4</sup>T2 Rating has 572 F (300 C) Gas Ignition Temperature

<sup>5</sup>T4 Rating has 275 F (135 C) Gas Ignition Temperature

<sup>6</sup>CSA C22.2 No. 213-M1987 (R1999), First Edition, Non-incendive Electrical Equipment for use in Class I, Division 2 Hazardous Locations

<sup>7</sup>UL1604, Third Edition, Electrical Equipment for Use in Class I and II, Division 2, and Class III Hazardous (Classified) Locations

<sup>8</sup>UL/CSA 61010-1, Second Edition, Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements

<sup>9</sup>SIP/SRP (DC) is currently Class I, Div 2 (Non-Incendive). Sage is also pursuing Class I, Div 1 (Intrinsically Safe). Contact Sage for further information

<sup>10</sup>EN 60601-1-2 (Medical), EN 55022, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6 and EN 61000-4-11

<sup>11</sup>EMC = Electro Magnetic Compatibility