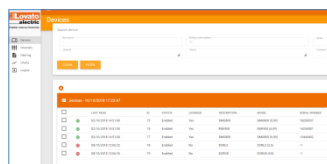




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GATEWAY – DATA LOGGER MODEM 4G



Third party device support



Supporto dispositivi di terze parti

**EXCGLA01, EXCGLAX1
EXCGLB...**



Tabella scenari per dispositivi di terze parti supportati

Table of scenarios for supported third party devices

DISPOSITIVI DEVICES	DESCRIZIONE	DESCRIPTION	DATA LOG	TEMPO DI CAMPIONAMENTO SAMPLING TIME (s)	GIORNI DI MEMORIA DAYS OF MEMORY
Diehl Sharky	Misure 5m	5m measures	816	300	100
CONTREL EMM-h <i>Impostare su EXCGLA01: Set on EXCGLA01:</i> - time-out = 500ms - baud rate = 19200bps	Base	Basic	979	300	35
			978	60	10
			980	900	400
Isoil ML311 – MV311	Base M-311	Basic M-311	3032	900	400
Isoil ML311 – MV311	Base + Flusso istantaneo M-311	Basic + Flow rate M-311	3032	900	400
			3033	5	5
Schneider IEM3x50	Base	Basic	1039	300	35
			1038	60	10
			1040	900	400
Schneider IEM3x55	Base	Basic	1050	900	400
			1041	60	10
			1045	300	35
Schneider PM2xx-PM7xx	Base	Basic	1046	300	35
			1042	60	10
			1051	900	400
Schneider PM51xx-PM53xx-PM556x	Base	Basic	1052	900	400
			1043	60	10
			1047	300	35
Schneider PM8xx (da v.12.7)	Base	Basic	1048	300	35
			1044	60	10
			1053	900	400
Schneider PM32xx	Base	Basic	1063	900	400
			1061	60	10
			1062	300	35
IME Nemo	Base	Basic	1064	60	10
			1065	300	35
			1066	900	400
IME Conto d4-d6	Base	Basic	1069	900	400

DISPOSITIVI DEVICES	DESCRIZIONE	DESCRIPTION	DATA LOG	TEMPO DI CAMPIONAMENTO SAMPLING TIME (s)	GIORNI DI MEMORIA DAYS OF MEMORY
			1068	300	35
			1067	60	10
IME Conto d1	Base	Basic	1071	300	35
			1072	900	400
IME Conto d2	Base	Basic	1074	900	400
			1073	300	35
CS Instruments VA500	Base	Basic	1112	5	35
			1113	900	400
TecSystem NT935	Base	Basic	1199	60	35
			1200	900	400
Marcom GW-DLMS	Base	Basic	1201	60	35
			1202	900	400
ISOIL DDM-744-1	Base	Basic	1207	5	7
			1208	900	400
NEWEN ARES	Base	Basic	1807	60	10
			1808	300	35
			1809	900	400
			1810	86400	1500
CUSTOM Bitmask address 0x0001 (16 bit) type UINT length 1 word Registers address interval 0x0002 – 0x0028 type FLOAT IEEE 754 (big endian) length 2 words	Base	Basic	1866	5	2
			1867	60	10
			1868	300	35
S7-300, S7-1500 Registers address interval 0x0001 – 0x0031 type SIGNED LONG length 2 words	DB1	DB1	1631	1	35
			1632	15	400
			1633	60	400
Caleffi (Conteca 750811)	Base	Basic	5128	60	100

Tabella delle misure nei data log dispositivi di terze parti
Table of measures in the data logs for third party devices

DATA LOG*	DESCRIZIONE DATA LOG	DATA LOG DESCRIPTION	INDICE MISURE* MEASURE INDEX*	DESCRIZIONE MISURE MEASURE DESCRIPTION	GRAFICO CHART
816	Misure 5 minuti	5 minutes sampling	M100001	Forward Temperature	
			M100002	Return temperature	
			M100003	Energy	
			M100004	Volume	
			M100005	Power	
			M100006	Flow Rate	
978	Misure 1min (CONTREL-EMM-h)	Measures 1min (CONTREL-EMM-h)	M100037	I-L1	
			M100038	I-L2	
			M100039	I-L3	
			M100040	V tot	
			M100041	kW tot	
			M100042	kvar tot	
			M100043	PF tot	
979	Misure 5min (CONTREL-EMM-h)	Measures 5min (CONTREL-EMM-h)	M100025	V-L1	
			M100026	V-L2	
			M100027	V-L3	
			M100028	kW L1	•
			M100029	kW L2	•
			M100030	kW L3	•
			M100031	kvar L1	
			M100032	kvar L2	
			M100033	kvar L3	
			M100034	PF L1	
			M100035	PF L2	
			M100036	PF L3	
			M100037	I-L1	
			M100038	I-L2	
			M100039	I-L3	
			M100041	kW tot	•
			M100042	kvar tot	
			M100043	PF tot	
980	Misure 15min (CONTREL-EMM-h)	Measures 15min (CONTREL-EMM-h)	M100022	kWh tot	•
			M100023	kvarh tot	•
			M100024	Hour counters - Contaore	
1038	Misure 1min (SCHNEIDER)	Measures 1min (SCHNEIDER)	M100110	Equivalent voltage VLL	
			M100111	Total active power	•
			M100115	Phase current L1	
			M100116	Phase current L2	
			M100117	Phase current L3	
1039	Misure 5min (SCHNEIDER)	Measures 5min (SCHNEIDER)	M100111	Total active power	•

DATA LOG*	DESCRIZIONE DATA LOG	DATA LOG DESCRIPTION	INDICE MISURE* MEASURE INDEX*	DESCRIZIONE MISURE MEASURE DESCRIPTION	GRAFICO CHART
			M100112	Phase voltage L1	
			M100113	Phase voltage L2	
			M100114	Phase voltage L3	
			M100115	Phase current L1	•
			M100116	Phase current L2	•
			M100117	Phase current L3	•
			M100118	Active power L1	
			M100119	Active power L2	
			M100120	Active power L3	
1040	Misure 15min (SCHNEIDER)	Measures 15min (SCHNEIDER)	M100121	Active energy import	•
1041	Misure 1min (SCHNEIDER)	Measures 1min (SCHNEIDER)	M100122	Equivalent voltage VLL	
			M100123	Total reactive power	
			M100124	Total active power	•
			M100128	Phase current L1	
			M100129	Phase current L2	
			M100130	Phase current L3	
1042	Misure 1min (SCHNEIDER)	Measures 1min (SCHNEIDER)	M100044	Phase current L1	
			M100045	Phase current L2	
			M100046	Phase current L3	
1043	Misure 1min (SCHNEIDER)	Measures 1min (SCHNEIDER)	M100087	Equivalent voltage VLL	
			M100088	Total reactive power	
			M100089	Total power factor	
			M100090	Total active power	•
			M100094	Phase current L1	
			M100095	Phase current L2	
			M100096	Phase current L3	
1044	Misure 1min (SCHNEIDER)	Measures 1min (SCHNEIDER)	M100061	Phase current L1	
			M100062	Phase current L2	
			M100063	Phase current L3	
			M100067	Total reactive power	
			M100073	Total active power	•
			M100076	Total power factor	
			M100083	Equivalent voltage VLL	
1045	Misure 5min (SCHNEIDER)	Measures 5min (SCHNEIDER)	M100123	Total reactive power	•
			M100124	Total active power	•
			M100125	Phase voltage L1	
			M100126	Phase voltage L2	
			M100127	Phase voltage L3	
			M100128	Phase current L1	•
			M100129	Phase current L2	•
			M100130	Phase current L3	•
			M100131	Active power L1	
			M100132	Active power L2	

DATA LOG*	DESCRIZIONE DATA LOG	DATA LOG DESCRIPTION	INDICE MISURE* MEASURE INDEX*	DESCRIZIONE MISURE MEASURE DESCRIPTION	GRAFICO CHART
			M100133	Active power L3	
			M100134	Reactive power L1	
			M100135	Reactive power L2	
			M100136	Reactive power L3	
1046	Misure 5min (SCHNEIDER)	Measures 5min (SCHNEIDER)	M100044	Phase current L1	•
			M100045	Phase current L2	•
			M100046	Phase current L3	•
			M100047	Reactive power L1	
			M100048	Reactive power L2	
			M100049	Reactive power L3	
			M100051	Active power L1	
			M100052	Active power L2	
			M100053	Active power L3	
			M100055	THD current L1	
			M100056	THD current L2	
			M100057	THD current L3	
			M100058	Phase voltage L1	
			M100059	Phase voltage L2	
			M100060	Phase voltage L3	
1047	Misure 5min (SCHNEIDER)	Measures 5min (SCHNEIDER)	M100088	Total reactive power	•
			M100089	Total power factor	
			M100090	Total active power	•
			M100091	Phase voltage L1	
			M100092	Phase voltage L2	
			M100093	Phase voltage L3	
			M100094	Phase current L1	•
			M100095	Phase current L2	•
			M100096	Phase current L3	•
			M100097	Active power L1	
			M100098	Active power L2	
			M100099	Active power L3	
			M100100	Reactive power L1	
			M100101	Reactive power L2	
			M100102	Reactive power L3	
			M100103	THD current L1	
			M100104	THD current L2	
			M100105	THD current L3	
1048	Misure 5min (SCHNEIDER)	Measures 5min (SCHNEIDER)	M100061	Phase current L1	•
			M100062	Phase current L2	•
			M100063	Phase current L3	•
			M100064	Reactive power L1	
			M100065	Reactive power L2	
			M100066	Reactive power L3	

DATA LOG*	DESCRIZIONE DATA LOG	DATA LOG DESCRIPTION	INDICE MISURE* MEASURE INDEX*	DESCRIZIONE MISURE MEASURE DESCRIPTION	GRAFICO CHART
			M100067	Total reactive power	•
			M100070	Active power L1	
			M100071	Active power L2	
			M100072	Active power L3	
			M100073	Total active power	•
			M100076	Total power factor	
			M100077	THD current L1	
			M100078	THD current L2	
			M100079	THD current L3	
			M100080	Phase voltage L1	
			M100081	Phase voltage L2	
			M100082	Phase voltage L3	
			M100084	Power factor L1	
			M100085	Power factor L2	
			M100086	Power factor L3	
1050	Misure 15min (SCHNEIDER)	Measures 15min (SCHNEIDER)	M100137	Active energy import	•
			M100138	Active energy export	•
			M100139	Reactive energy import	•
			M100140	Reactive energy export	•
1051	Misure 15min (SCHNEIDER)	Measures 15min (SCHNEIDER)	M100050	Reactive energy import	•
			M100054	Active energy import	•
1052	Misure 15min (SCHNEIDER)	Measures 15min (SCHNEIDER)	M100106	Active energy import	•
			M100107	Active energy export	•
			M100108	Reactive energy import	•
			M100109	Reactive energy export	•
1053	Misure 15min (SCHNEIDER)	Measures 15min (SCHNEIDER)	M100068	Reactive energy export	•
			M100069	Reactive energy import	•
			M100074	Active energy export	•
			M100075	Active energy import	•
1061	Misure 1min (SCHNEIDER)	Measures 1min (SCHNEIDER)	M100141	Equivalent voltage VLL	
			M100142	Total reactive power	
			M100144	Total active power	•
			M100148	Phase current L1	
			M100149	Phase current L2	
1062	Misure 5min (SCHNEIDER)	Measures 5min (SCHNEIDER)	M100150	Phase current L3	
			M100142	Total reactive power	•
			M100144	Total active power	•
			M100145	Phase voltage L1	
			M100146	Phase voltage L2	
			M100147	Phase voltage L3	
			M100148	Phase current L1	•
			M100149	Phase current L2	•
			M100150	Phase current L3	•

DATA LOG*	DESCRIZIONE DATA LOG	DATA LOG DESCRIPTION	INDICE MISURE* MEASURE INDEX*	DESCRIZIONE MISURE MEASURE DESCRIPTION	GRAFICO CHART
			M100151	Active power L1	
			M100152	Active power L2	
			M100153	Active power L3	
			M100154	Reactive power L1	
			M100155	Reactive power L2	
			M100156	Reactive power L3	
			M100157	THD current L1	
			M100158	THD current L2	
			M100159	THD current L3	
1063	Misure 15min (SCHNEIDER)	Measures 15min (SCHNEIDER)	M100160	Active energy import	•
			M100161	Active energy export	•
			M100162	Reactive energy import	•
			M100163	Reactive energy export	•
1064	Misure 1min (IME)	Measures 1min (IME)	M100164	Total reactive power	•
			M100165	Total power factor	
			M100166	Total active power	•
			M100170	L1 current	•
			M100171	L2 current	•
			M100172	L3 current	•
1065	Misure 5min (IME)	Measures 5min (IME)	M100164	Total reactive power	•
			M100165	Total power factor	
			M100166	Total active power	•
			M100167	L1 voltage	
			M100168	L2 voltage	
			M100169	L3 voltage	
			M100170	L1 current	•
			M100171	L2 current	•
			M100172	L3 current	•
			M100176	L1 reactive power	
			M100177	L2 reactive power	
			M100178	L3 reactive power	
			M100182	L1 current THD	
			M100183	L2 current THD	
			M100184	L3 current THD	
			M100188	L1 active power	
			M100189	L2 active power	
			M100190	L3 active power	
1066	Misure 15min (IME) <i>Scala impostata per 100 < rapporto TA < 1000</i>	Measures 15min (IME) <i>Scale set for 100 < CT ratio < 1000</i>	M100185	Imported active energy	•
			M100187	Imported reactive energy	•
1067	Misure 1min (IME)	Measures 1min (IME)	M100191	Total reactive power	•
			M100192	Total power factor	
			M100193	Total active power	•

DATA LOG*	DESCRIZIONE DATA LOG	DATA LOG DESCRIPTION	INDICE MISURE* MEASURE INDEX*	DESCRIZIONE MISURE MEASURE DESCRIPTION	GRAFICO CHART
			M100197	L1 current	•
			M100198	L2 current	•
			M100199	L3 current	•
1068	Misure 5min (IME)	Measures 5min (IME)	M100191	Total reactive power	•
			M100192	Total power factor	
			M100193	Total active power	•
			M100194	L1 voltage	
			M100195	L2 voltage	
			M100196	L3 voltage	
			M100197	L1 current	•
			M100198	L2 current	•
			M100199	L3 current	•
			M100200	L1 reactive power	
			M100201	L2 reactive power	
			M100202	L3 reactive power	
			M100208	L1 active power	
			M100209	L2 active power	
			M100210	L3 active power	
1069	Misure 15min (IME) <i>Scala impostata per 100 < rapporto TA < 1000</i>	Measures 15min (IME) <i>Scale set for 100 < CT ratio < 1000</i>	M100206	Imported active energy	•
			M100207	Imported reactive energy	•
1071	Misure 5min (IME)	Measures 5min (IME)	M100211	Phase voltage	
			M100212	Phase current	•
			M100213	Active power	•
			M100214	Reactive power	•
			M100215	Power factor	
1072	Misure 15min (IME)	Measures 15min (IME)	M100216	Active energy	•
			M100217	Reactive energy	•
1073	Misure 5min (IME)	Measures 5min (IME)	M100218	Phase voltage	
			M100219	Phase current	•
			M100220	Active power	•
			M100222	Power factor	
1074	Misure 15min (IME)	Measures 15min (IME)	M100223	Active energy	•
1112	Misure 5s (VA500)	Measures 5s (VA500)	M100234	Flow as shown in Display	•
			M100237	Velocity as shown in Display	•
			M100238	Gas Temperature as shown in Display	•
			M100239	Internal Temperature as shown in Display	•
1113	Misure 15m (VA500)	Measures 15m (VA500)	M100235	Total Counter before comma as shown in Display	•
			M100236	Total Counter after comma as shown in Display	•
1199	Misure 1m (NT935)	Measures 1m (NT935)	M100240	Temperatura Canale 1	•
			M100241	Massima Temperatura Canale 1	
			M100242	Set point Allarme Canale 1	

DATA LOG*	DESCRIZIONE DATA LOG	DATA LOG DESCRIPTION	INDICE MISURE* MEASURE INDEX*	DESCRIZIONE MISURE MEASURE DESCRIPTION	GRAFICO CHART
			M100243	Set point Trip Canale 1	
			M100244	Temperatura Canale 2	•
			M100245	Massima Temperatura Canale 2	
			M100246	Set point Allarme Canale 2	
			M100247	Set point Trip Canale 2	
			M100248	Temperatura Canale 3	•
			M100249	Massima Temperatura Canale 3	
			M100250	Set point Allarme Canale 3	
			M100251	Set point Trip Canale 3	
			M100267	Temperatura Canale 4	•
			M100268	Massima Temperatura Canale 4	
			M100269	Set point Allarme Canale 4	
			M100270	Set point Trip Canale 4	
1200	Misure 15m (NT935)	Measures 15m (NT935)	M100240	Temperatura Canale 1	•
			M100244	Temperatura Canale 2	•
			M100248	Temperatura Canale 3	•
			M100267	Temperatura Canale 4	•
1201	Misure 1m (DLMS)	Measures 1m (DLMS)	M100252	Total Active Energy A+	
			M100253	Total Active Energy A-	
			M100254	Voltage Phase 1	•
			M100255	Voltage Phase 2	•
			M100256	Serial Number	
			M100257	Voltage Phase 3	•
			M100258	Current Phase 1	•
			M100259	Current Phase 2	•
			M100260	Current Phase 3	•
			M100261	Power Factor Phase 1	•
			M100262	Power Factor Phase 2	•
			M100263	Power Factor Phase 3	•
			M100264	Total Power Factor	•
			M100265	Frequency	
			M100266	Total Active Power	
			M100271	Total Reactive Energy (Imported)	
			M100272	Total Reactive Energy (Exported)	
1202	Misure 15m (DLMS)	Measures 15m (DLMS)	M100252	Total Active Energy A+	•
			M100253	Total Active Energy A-	•
			M100271	Total Reactive Energy (Imported)	•
			M100272	Total Reactive Energy (Exported)	•
1207	Misure 5s (DDM-744-1)	Measures 5s Live (DDM-744-1)	M100273	Processo	•
			M100276	Temperatura giunto freddo	•
			M100277	Stato Rele Q1	•
			M100278	Stato Rele Q2	•
			M100279	Stato ingresso D.I.1	•

DATA LOG*	DESCRIZIONE DATA LOG	DATA LOG DESCRIPTION	INDICE MISURE* MEASURE INDEX*	DESCRIZIONE MISURE MEASURE DESCRIPTION	GRAFICO CHART
			M100280	Stato ingresso D.I.2	•
1208	Misure 15m (DDM-744-1)	Measures 15m (DDM-744-1)	M100274	Picco Minimo	
			M100275	Picco Massimo	
			M100281	Totalizzatore	
			M100282	Somma	
1807	Misure 1min - 10 giorni	Measures 1min - 10 days	M100286	Phase 1 current -1	•
			M100287	Phase 2 current -1	•
			M100288	Phase 3 current -1	•
			M100298	Total system power -1	•
			M100299	Total system VAR -1	
			M100300	Total system power factor -1	
			M100305	Average line to line volts -1	
			M100312	Phase 1 current -2	•
			M100313	Phase 2 current -2	•
			M100314	Phase 3 current -2	•
			M100324	Total system power -2	•
			M100325	Total system VAR -2	
			M100326	Total system power factor -2	
			M100331	Average line to line volts -2	
1808	Misure 5min - 1 mese	Measures 5min - 1 month	M100283	Phase 1 line to neutral volts -1	
			M100284	Phase 2 line to neutral volts -1	
			M100285	Phase 3 line to neutral volts -1	
			M100286	Phase 1 current -1	
			M100287	Phase 2 current -1	
			M100288	Phase 3 current -1	
			M100289	Phase 1 power -1	
			M100290	Phase 2 power -1	
			M100291	Phase 3 power -1	
			M100292	Phase 1 volt amps reactive -1	
			M100293	Phase 2 volt amps reactive -1	
			M100294	Phase 3 volt amps reactive -1	
			M100298	Total system power -1	•
			M100299	Total system VAR -1	
			M100300	Total system power factor -1	
			M100306	Phase 1 Current THD -1	
			M100307	Phase 2 Current THD -1	
			M100308	Phase 3 Current THD -1	
			M100312	Phase 1 current -2	
			M100313	Phase 2 current -2	
			M100314	Phase 3 current -2	
			M100315	Phase 1 power -2	
			M100316	Phase 2 power -2	
			M100317	Phase 3 power -2	

DATA LOG*	DESCRIZIONE DATA LOG	DATA LOG DESCRIPTION	INDICE MISURE* MEASURE INDEX*	DESCRIZIONE MISURE MEASURE DESCRIPTION	GRAFICO CHART
			M100318	Phase 1 volt amps reactive -2	
			M100319	Phase 2 volt amps reactive -2	
			M100320	Phase 3 volt amps reactive -2	
			M100324	Total system power -2	●
			M100325	Total system VAR -2	
			M100326	Total system power factor -2	
			M100332	Phase 1 Current THD -2	
			M100333	Phase 2 Current THD -2	
			M100334	Phase 3 Current THD -2	
1809	Misure 15min - 1 anno	Measures 15min - 1 year	M100301	Import Wh since last reset -1	●
			M100302	Export Wh since last reset -1	●
			M100303	Import VARh since last reset -1	●
			M100304	Export VARh since last reset -1	●
			M100327	Import Wh since last reset -2	●
			M100328	Export Wh since last reset -2	●
			M100329	Import VARh since last reset -2	●
			M100330	Export VARh since last reset -2	●
1810	Misure 24h - 4 anni	Measures 24h - 4 years	M100301	Import Wh since last reset -1	
			M100302	Export Wh since last reset -1	
			M100303	Import VARh since last reset -1	
			M100304	Export VARh since last reset -1	
			M100327	Import Wh since last reset -2	
			M100328	Export Wh since last reset -2	
			M100329	Import VARh since last reset -2	
			M100330	Export VARh since last reset -2	
1866	Bit - 5s	Bit - 5s	M4653	Bit 00	
			M4654	Bit 01	
			M4655	Bit 02	
			M4656	Bit 03	
			M4657	Bit 04	
			M4658	Bit 05	
			M4659	Bit 06	
			M4660	Bit 07	
			M4661	Bit 08	
			M4662	Bit 09	
			M4663	Bit 10	
			M4664	Bit 11	
			M4665	Bit 12	
			M4666	Bit 13	
			M4667	Bit 14	
			M4668	Bit 15	
1867	Registri - 1min	Registers - 1min	M4669	Register 01	
			M4670	Register 02	

DATA LOG*	DESCRIZIONE DATA LOG	DATA LOG DESCRIPTION	INDICE MISURE* MEASURE INDEX*	DESCRIZIONE MISURE MEASURE DESCRIPTION	GRAFICO CHART
1868	Registri - 5min	Registers - 5min	M4671	Register 03	
			M4672	Register 04	
			M4673	Register 05	
			M4674	Register 06	
			M4675	Register 07	
			M4676	Register 08	
			M4677	Register 09	
			M4678	Register 10	
			M4679	Register 11	
			M4680	Register 12	
			M4681	Register 13	
			M4682	Register 14	
			M4683	Register 15	
			M4684	Register 16	
			M4685	Register 17	
			M4686	Register 18	
			M4687	Register 19	
			M4688	Register 20	
3032	Energia 15min	Energy 15min	M100010	Delta T	
			M100011	Temperature T1	•
			M100012	Temperature T2	•
			M100013	Tot. Flow Rate	•
			M100015	Total Cool Energy	•
			M100017	Total Heat Energy	•
			M100019	Total Hot Water	•
			M100021	Total Cold Water	•
3033	Flusso 5s	Flow rate 5s	M100008	Flow Rate	•
			M100009	Thermal Power	•
3533	DB1 – 1m	DB1 – 1m	M3615	DB1 – dword 0	
3534	DB1 – 15m	DB1 – 15m	...	...	
3535	DB1 – 1h	DB1 – 1h	M3639	DB1 – dword 24	
5128	Misure 1m - 100g (Caleffi Conteca)	Measures 1m - 100d (Caleffi Conteca)	M100355	Portata	•
			M100356	Energia riscaldamento	
			M100357	Potenza istantanea	•
			M100358	Temperatura mandata	•
			M100359	Temperatura ritorno	•
			M100360	Temperatura differenza	

* Il numero associato al data log e l'indice delle misure sono i riferimenti da utilizzare qualora si volesse elaborare il file XML inviato da EXCGLA01 al server remoto.

* The data log number and the measure index are the references to be used in case of need to elaborate the XML file which EXCGLA01 sends to the remote server.

Tabella delle misure nelle pagine live per i dispositivi di terze parti

Table of measures in the live pages for third party devices

DISPOSITIVI DEVICES	DESCRIZIONE MISURE MEASURE DESCRIPTION
CONTREL EMM-h	kWh tot
	kvarh tot
	V-L1
	V-L2
	V-L3
	kW L1
	kW L2
	kW L3
	kvar L1
	kvar L2
	kvar L3
	PF L1
	PF L2
	PF L3
	I-L1
	I-L2
	I-L3
	V tot
	kW tot
	kvar tot
Isoil ML311 – MV311	Flow Rate
	Thermal Power
	Delta T
	Temperature T1
	Temperature T2
	Tot. Flow Rate
	Total Cool Energy
	Total Heat Energy
	Total Hot Water
	Total Cold Water
Schneider PM8xx	Phase current L1
	Phase current L2
	Phase current L3
	Reactive power L1
	Reactive power L2
	Reactive power L3
	Total reactive power
	Reactive energy export
	Reactive energy import
	Active power L1
	Active power L2

DISPOSITIVI DEVICES	DESCRIZIONE MISURE MEASURE DESCRIPTION
	Active power L3
	Total active power
	Active energy export
	Active energy import
	Total power factor
	THD current L1
	THD current L2
	THD current L3
	Phase voltage L1
	Phase voltage L2
	Phase voltage L3
	Equivalent voltage VLL
	Power factor L1
	Power factor L2
	Power factor L3
Schneider PM51xx-PM53xx-PM556x	Equivalent voltage VLL
	Total reactive power
	Total power factor
	Total active power
	Phase voltage L1
	Phase voltage L2
	Phase voltage L3
	Phase current L1
	Phase current L2
	Phase current L3
	Active power L1
	Active power L2
	Active power L3
	Reactive power L1
	Reactive power L2
	Reactive power L3
	THD current L1
	THD current L2
	THD current L3
	Active energy import
	Active energy export
	Reactive energy import
	Reactive energy export
Schneider PM2xx-PM7xx	Phase current L1
	Phase current L2
	Phase current L3
	Reactive power L1
	Reactive power L2

DISPOSITIVI DEVICES	DESCRIZIONE MISURE MEASURE DESCRIPTION
	Reactive power L3
	Reactive energy import
	Active power L1
	Active power L2
	Active power L3
	Active energy import
	THD current L1
	THD current L2
	THD current L3
	Phase voltage L1
	Phase voltage L2
	Phase voltage L3
Schneider IEM3x55	Equivalent voltage VLL
	Total reactive power
	Total active power
	Phase voltage L1
	Phase voltage L2
	Phase voltage L3
	Phase current L1
	Phase current L2
	Phase current L3
	Active power L1
	Active power L2
	Active power L3
	Reactive power L1
	Reactive power L2
	Reactive power L3
	Active energy import
	Active energy export
	Reactive energy import
	Reactive energy export
Schneider IEM3x50	Equivalent voltage VLL
	Total active power
	Phase voltage L1
	Phase voltage L2
	Phase voltage L3
	Phase current L1
	Phase current L2
	Phase current L3
	Active power L1
	Active power L2
	Active power L3
Schneider PM32xx	Equivalent voltage VLL

DISPOSITIVI DEVICES	DESCRIZIONE MISURE MEASURE DESCRIPTION
	Total reactive power
	Total active power
	Phase voltage L1
	Phase voltage L2
	Phase voltage L3
	Phase current L1
	Phase current L2
	Phase current L3
	Active power L1
	Active power L2
	Active power L3
	Reactive power L1
	Reactive power L2
	Reactive power L3
	THD current L1
	THD current L2
	THD current L3
	Active energy import
	Active energy export
	Reactive energy import
	Reactive energy export
IME Nemo	Total reactive power
	Total power factor
	Total active power
	L1 voltage
	L2 voltage
	L3 voltage
	L1 current
	L2 current
	L3 current
	L1 reactive power
	L2 reactive power
	L3 reactive power
	L1 current THD
	L2 current THD
	L3 current THD
	Imported active energy
	Imported reactive energy
	L1 active power
	L2 active power
	L3 active power
IME Conto d4-d6	Total reactive power
	Total power factor

DISPOSITIVI DEVICES	DESCRIZIONE MISURE MEASURE DESCRIPTION
	Totat active power
	L1 voltage
	L2 voltage
	L3 voltage
	L1 current
	L2 current
	L3 current
	L1 reactive power
	L2 reactive power
	L3 reactive power
	Imported active energy
	Imported reactive energy
	L1 active power
	L2 active power
	L3 active power
IME Conto d1	Phase voltage
	Phase current
	Active power
	Reactive power
	Power factor
	Active energy
	Reactive energy
IME Conto d2	Phase voltage
	Phase current
	Active power
	Power factor
	Active energy
CS Instruments VA500	Flow as shown in Display
	Total Counter before comma as shown in Display
	Total Counter after comma as shown in Display
	Velocity as shown in Display
	Gas Temperature as shown in Display
	Internal Temperature as shown in Display
TecSystem NT935	Temperatura Canale 1
	Temperatura Canale 2
	Temperatura Canale 3
	Temperatura Canale 4
	Massima Temperatura Canale 1
	Massima Temperatura Canale 2
	Massima Temperatura Canale 3
	Massima Temperatura Canale 4
Marcom GW-DLMS	Voltage Phase 1
	Voltage Phase 2

DISPOSITIVI DEVICES	DESCRIZIONE MISURE MEASURE DESCRIPTION
	Voltage Phase 3
	Current Phase 1
	Current Phase 2
	Current Phase 3
	Power Factor Phase 1
	Power Factor Phase 2
	Power Factor Phase 3
	Total Active Power
	Total Power Factor
	Frequency
	Total Active Energy A+
	Total Active Energy A-
	Total Reactive Energy (Imported)
	Total Reactive Energy (Exported)
ISOIL DDM-744-1	Processo
	Temperatura giunto freddo
	Stato Rele Q1
	Stato Rele Q2
	Stato ingresso D.I.1
	Stato ingresso D.I.2
	Picco Minimo
	Picco Massimo
	Totalizzatore
	Somma
NEWEN ARES	Average line to line volts -1
	Import Wh since last reset -1
	Import Wh since last reset -2
	Import VARh since last reset -1
	Import VARh since last reset -2
	Total system power -1
	Total system power -2
	Total system VAR -1
	Total system VAR -2
	Total system power factor -1
	Total system power factor -2
Caleffi (Conteca 750811)	Portata
	Energia riscaldamento
	Potenza istantanea
	Temperatura mandata
	Temperatura ritorno
	Temperatura differenza