

Type	APM - C	90°	250°	KLY - C
	<b>APM 48 C</b> <b>48 x 48</b> <b>APM 72 C</b> <b>72 x 72</b> <b>APM 96 CF</b> <b>96 x 96</b>			<b>KLY 48 C</b> <b>48 x 48</b> <b>KLY 72 C</b> <b>72 x 72</b> <b>KLY 96 C</b> <b>96 x 96</b>

Drehspul - Instrumente für Gleichstrom und Gleichspannung mit auswechselbarer Skala	Instruments magneto- électrique pour courant et tension continu avec cadran interchangeable.	Moving Coil Meter for DC measuring with interchangeable scale	Amperometri e Voltmetri a bobina mobile per corrente continua con scala intercambiabile.
Klasse 1,5 (1.0)**	Classe 1,5 (1.0)**	Accuracy class 1,5 (1.0)**	Precisione 1,5 (1.0)**
Dämpfung: Silikonöllager	Amortissement: A huile de silicone	Damping: Silicon Oil	Smorzamento: Silicone olio
Lagerung: Kunstsaphir	Pivotage: Saphir	Bearding: Sapphire	Supporti: Zaffiro
Zulassungen / Approuvée / Approvals / Conforme a : CE / KEMA EUR			

Frontrahmen	Collerette	Front frame	Dimensionifrontali	mm	48 x 48	72 x 72	96 x 96
Ausschnitt	Découpe	Panel cut out	Foratura pannello	mm	44,5 x 44,5	67 x 67	91 x 91
Einbautiefe	Profondeur	Mount.depth	Profondità d'incasso	mm	65	65 / 105	65 / 105
Prüfspannung	Tension d'essai	Testingvoltage	Tensione di prova		2 kV	2 kV	2 kV
Temperaturbereich	Temp. de foncti.	Operat. temperature	Temp. di funzionalm.		-20 ..+ 40°C	-20 ..+ 40°C	-20 ..+ 40°C
Eigenverbrauch	Consomation	Selfconsumption	Autoconsumo	V	ca.10 mA 60 mV ... 300 mV		
Eigenverbrauch	Consomation	Self consumption	Autoconsumo	A	Ca. 1 mA( 1000 Ω/ V ) 0,5 V ...600 V		
Skalenlänge	Long. d'échelle	Scale length( arc length )	Lunghezza di scala	90° 250°	41mm 67mm	63mm 110mm	94mm 151mm
Vibrationsfestigkeit	Résist.auxvibrations	Vibrationresistent	Res. alle vibrazioni		.... 2.5 g		
Schockfestigkeit	Résist.auxchocs	Schockresistent	Res. alle urto		.... 15 g		
Installationskategorie - Catégories d'installation - Installation category - Categoriailll					300 V	300 V	600 V

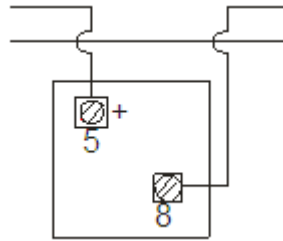
Strommesser Ampèremètre Ammeter Amperometri	StrommesserfürShuntanschluss Amp.-mètresur shunt Ammeter with separate shunt Amperometri su shunt esterno	StrommesserfürShuntanschluss Amp.-mètresur shunt Ammeter with separate shunt Amperometri su shunt esterno	Spannungsmesser Voltmètre Voltmeter Voltmetri
<b>48x48 72x72 96x96</b>	<b>48x48 / 72x72 / 96x96</b>	<b>48x48 / 72x72 96x96</b>	
0 ... 20mA	6 A / 60 mV	± 6 A / ± 60 mV	10 V 48 / 72 / 96
4 ... 20mA	10 A / 60 mV	± 10 A / ± 60 mV	25 V 72 / 96
1 A	15 A / 60 mV	± 15 A / ± 60 mV	30 V 48 / 72 / 96
1,5 A	25 A / 60 mV	± 25 A / ± 60 mV	40 V 48 / 72 / 96
2,5 A	40 A / 60 mV	± 40 A / ± 60 mV	60 V 48 / 72 / 96
4 A	50 A / 60 mV	± 50 A / ± 60 mV	100 V 48 / 72 / 96
6 A	60 A / 60 mV	± 60 A / ± 60 mV	150 V 48 / 72 / 96
10 A	80 A / 60 mV	± 80 A / ± 60 mV	250 V 72 / 96
15 A	100 A / 60 mV	± 100 A / ± 60 mV	300 V 72 / 96
20 A	120 A / 60 mV	± 120 A / ± 60 mV	400 V 72 / 96
30 A	150 A / 60 mV	± 150 A / ± 60 mV	500 V 72 / 96
	200 A / 60 mv	± 200 A / ± 60 mv	600 V 96
<b>72x72 / 96x96</b>	250 A / 60 mV	± 250 A / ± 60 mV	
-2.5..0..+2.5mA	300 A / 60 mV	± 300 A / ± 60 mV	±30V 72x72 / 96x96
-4.0..0..+4.0mA	400 A / 60 mV	± 400 A / ± 60 mV	±40V 72x72 / 96x96
-10..0..+10mA	500 A / 60 mV	± 500 A / ± 60 mV	±60V 72x72 / 96x96
-20..0..+20mA	600 A / 60 mv	± 600 A / ± 60 mv	± 100V 72x72 / 96x96
-40..0..+40mA	800 A / 60 mV	± 800 A / ± 60 mV	± 150V 72x72 / 96x96
-60..0..+60mA	1 000 A / 60 mv	± 1 000 A / ± 60 mv	± 200V 72x72 / 96x96
-100..0..+100mA	1 200 A / 60 mv	± 1 200 A / ± 60 mv	± 250V 72x72 / 96x96
	1 500 A / 60 mV	± 1 500 A / ± 60 mV	± 300V 72x72 / 96x96
	2 000 A / 60 mV	± 2 000 A / ± 60 mV	± 400V 72x72 / 96x96
	2 500 A / 60 mV	± 2 500 A / ± 60 mV	
	3 000 A / 60 mV		
	4 000 A / 60 mV		

\*\* AUF ANFRAGE - SUR DEMANDE - OPZIONI - OPTIONS

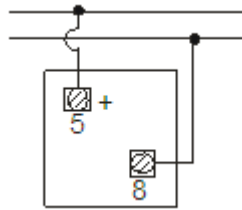
Klasse 1,5 (1.0)**	Classe 1,5 (1.0)**	Accuracy class 1,5 (1.0)**	Precisione 1,5 (1.0)**
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**Pushing Tight Type (IV)**



**DC Ammeter**

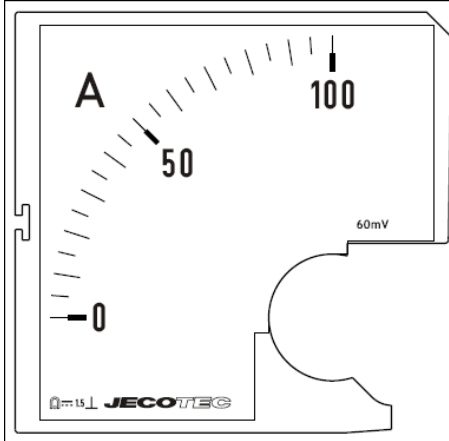


**DC Voltmeter**

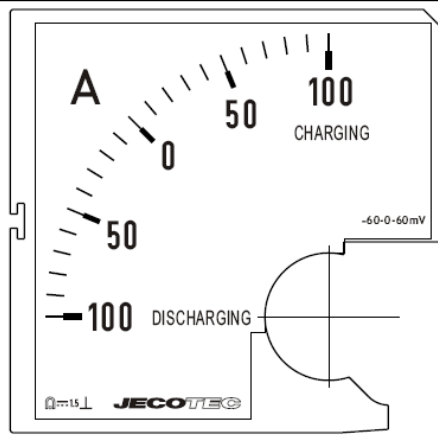
**Connection Diagram**



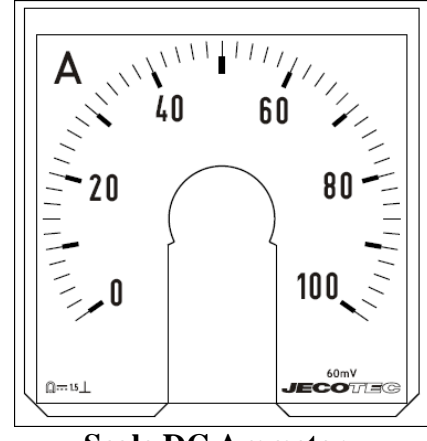
**Voltmeter 90°**



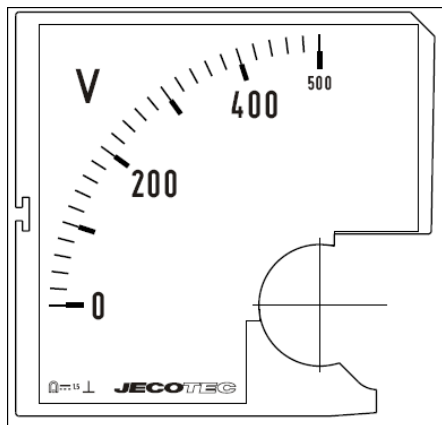
**Scale DC Ammeter  
0..100A / 60mV 90°**



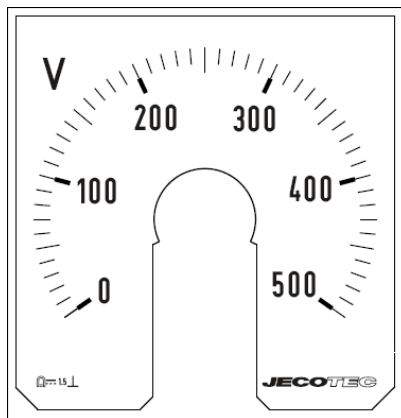
**Scale DC Ammeter  
100..0..100A +- 60mVdc 90°  
DISCHARGING - CHARGING**



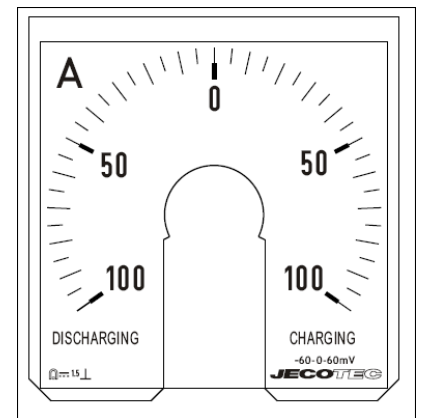
**Scale DC Ammeter  
0..100A / 60mVdc 250°**



**Scale DC Voltmeter  
0..500Vdc 90°**













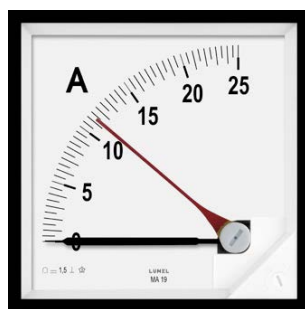
**Scale DC Voltmeter 0..500Vdc  
250°**



**Scale DC Ammeter  
100..0..100A +- 60mVdc 250°  
DISCHARGING - CHARGING**

AUF ANFRAGE – SUR DEMANDE – OPZIONI – OPTIONS

	<p>TROPENAUSFÜHRUNG VERSION TROPICALE TROPICALIZZAZIONE TROPICALISATION</p>		<p>SCHUTZART IP54 – IP65 PROTECTION IP54 – IP65 GRADI DI PROTEZIONE IP54 – IP65 PROTECTION DEGREE IP54 – IP65</p>
	<p>SCHIFFSAUSFÜHRUNG POUR EMPLOI MARINE PER IMPIEGO MARINO SHIP-MOUNTING VERSION</p>		<p>BAHNAUSFÜHRUNG POUR EMPLOI CH. DE FER PER IMPIEGO FERROVIARI FOR RAILWAY</p>
	<p>ERHÖHTE RÜTTELFESTIGKEIT CONSTRUCT. ANTIVIBRATION ESECUZIONE ANTIVIBRANTE VIBRATION PROOF VERSION</p>		<p>MIT HINTERGRUNDBELEUCHTUNG AVEC CADRAN ÉCLAIRÉ CON QUADRANTE ILLUMINATO WITH SCALE ILLUMINATION</p>
	<p>FÜR FOTOVOLTAIK POUR SYST. PHOTOVOLTAIQUES PER IMPIANTI FOTOVOLTAICI FOR SOLAR PLANT</p>		<p>AUSFÜHRUNG FÜR H<sub>2</sub>S PROTECTION POUR H<sub>2</sub>S ESECUZIONE PER H<sub>2</sub>S H<sub>2</sub>S PROOF VERSION</p>
	<p>DOPPELISOLIERUNG DOUBLE ISOLEMENT DOPPIO ISOLAMENTO DOUBLE ISOLATION</p>		<p>GOST-R RUSSIAN METROLOGICAL CERTIFICATIONS  UKRMETR TEST STANDARD FOR UKRAINIAN MARKET</p>



Instrument  
mit rotem Markierungszeiger – with red marking pointer