



DEKAL LOAD BANKS®

DEKAL LOAD BANKS * DEKAL AGREGATI LLC
UL. LUDVIKA PLAMBERGERJA 25
SI-2204 MIKLAVZ NA DR. POLJU
SLOVENIA - EUROPE



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PORTABLE AC & DC POWER ANALYZER

FOR MEASURING AND POWER DIAGNOSIES BETWEEN AIRCRAFT
AND ANY POWER SOURCE - COMBINED WiFi/USB CONNECTIVITY



TECHNICAL SPECIFICATION	ANA-028	ANA-428	ANA-400	ANA-440
AC VOLTAGE [V]	/	115 / 200 V AC \pm 20 %	115 / 200 V AC \pm 20 %	115 / 200 V AC \pm 20 %
AC LOAD [A]	/	0 - 180 kW \pm 10 %	0 - 180 kW \pm 10 %	0 - 180 kW \pm 10 %
FREQUENCY [Hz]	/	400 Hz AC \pm 20 %	400 Hz AC \pm 20 %	400 Hz AC \pm 20 %
DC VOLTAGE [V]	28.5 V DC \pm 20 %	28.5 V DC \pm 20 %	/	/
DC LOAD [A]	0 - 2500 A \pm 10 %	0 - 2500 A \pm 10 %	/	/
3 LINE HIGH BRIGHTNESS RED LED DISPLAY CLASS: \pm 0.5% S ACC. IEC 62053-22 2003	/	V, A, Hz, kW, kVA, Unbal. % load, cos ϕ	V, A, Hz, kW, kVA, Unbal. % load, cos ϕ	V, A, Hz, kW, kVA, Unbal % load, cos ϕ
3 LINE HIGH BRIGHTNESS RED LED DISPLAY CLASS: \pm 0,5 % FS+2C	V, A, kW	V, A, kW	/	/
PLUG TEST PINS FOR EXTERNAL INSTRUMENT DEVICE	1 x \mp -, E, F (DC)	1 x A, B, C, N, E, F (AC) 1 x \mp -, E, F (DC)	1 x A, B, C, N, E, F (AC)	2 x A, B, C, N, E, F (AC)
I/O between GPU AND AIRCRAFT	1 x 28 V DC	1 x 28 V DC and 1 x 400 Hz AC	1 x 400 Hz AC	1 x 400 Hz AC and 1 x 400 Hz AC
INDICATIONS	1 x POWER, CONTROL INDICATION	1 x INTERLOCK, PHASE INDICATION, PHASE ROTATION 1 x POWER, CONTROL INDICATION	1 x INTERLOCK, PHASE INDICATION, PHASE ROTATION	2 x INTERLOCK, PHASE INDICATION, PHASE ROTATION
DIGITAL POWER METER PARAMETERS WiFi & USB INTERFACE SPECIFICATIONS	3 LINE HIGH BRIGHTNESS RED LED DISPLAY CLASS: \pm 0.5 %; S ACC. IEC 62053-22: 2003; DISPLAYED: V / A / Hz / cos ϕ =1 / kW / kVA; WiFi NETWORK OR USB PLUG-IN CONNECTION FOR DATA PRINTOUT / ARCHIVE, INCLUDING FREE DEKAL LICENSED SOFTWARE			
NORMS				
TESTING PROCEDURE IN ACCORDANCE	ISO 6858, DSF 400, ARP 5015			
DEVICE CLASSIFICATION	CE marking, IP 40, DIN, VDE, IEC			
DIMENSIONS & WEIGHT				
ANALYZER SIZE [L x W x H] mm / Kg	520 x 250 x 230 / 18	520 x 250 x 230 / 18	520 x 250 x 230 / 18	520 x 250 x 230 / 18
ANALYZER SIZE [L x W x H] In / Lbs	20.5 x 9.8 x 9 / 40	20.5 x 9.8 x 9 / 40	20.5 x 9.8 x 9 / 40	20.5 x 9.8 x 9 / 40
TRANSPORT CASING [L x W x H] mm / Kg	840 x 380 x 580 / 22	840 x 380 x 580 / 22	840 x 380 x 580 / 22	840 x 380 x 580 / 22
TRANSPORT CASING [L x W x H] In / Lbs	33 x 15 x 23 / 48	33 x 15 x 23 / 48	33 x 15 x 23 / 48	33 x 15 x 23 / 48
ANALYZER PAINTING / TRANSPORT CASING	FINE POWDER COATING STRUCTURE DRYLAC® 29_80081 / ALUMINIUM FRAME WITH BLACK LAMINATED PLYWOOD PANEL			

Including transport carrying case per unit / All specifications are subject to change without further notice



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ADVANTAGES of DEKAL ANALYZER

- **Simple operation** suitable for non-trained personnel; no maintenance required
- Suitable for **workshop and/or airside operation**
- **Environmental operating temperature** from -20 °C to 55 °C / -4 °F to 122 °F
- **28.5 V DC power measuring**, connected between GPU and Aircraft
- **400 Hz V AC; 115 / 200 V power measuring**, connected between GPU and Aircraft
- **Power analyzer does not require any further calibration process once delivered**
- **Time duration and kW consumption** indication option for **energy charge**
- 28.5 V DC 3-Pole receptacle **in accordance with NATO & MIL-C-81790** specification
- 400 Hz AC 6-Pole receptacle **in accordance with NATO & MIL-C-81790** specification
- **Customized model configuration available**; DC, AC, DC/AC, AC/AC, analyzer models
- **Free DEKAL licensed software application and proper drivers included**
- **All measurements possible to archive and printout, including diagram graphics**
- **In accordance & fully complied with AFI 33-115 volume 2, Certified by: SAF A6C**
- **Extra safety, isolated jack sockets** for connecting external voltage measuring device
- **Short worldwide delivery period** with tracking feature and insurance for all products
- Spare parts availability and **accurate on-time deliveries** by appointed courier
- **Transport casing** with pull up handle as standard for every analyzer manufactured
- **2 years full warranty with extension option** for all DEKAL analyzers
- CE certification - health, safety, and environmental protection standards
- Made for GPU's testing procedure according to ISO 6858, DFS 400, ARP 5015
- Classification CE marking, DIN, VDE, IEC, IP 40 protection rate level
- Customs classification **Harmonized System tariff code HS: 9031800000**

