

CRYSTAL

24vdc Loop POWER SUPPLY

Remote **Power**
When you need it



Ideal for Field Use

Long lasting, flexible battery options

Works with lithium, alkaline, and NiMH rechargeable batteries.

Bright multi-function LED alerts

Backlit icons indicate a powered loop, depleted batteries, and low voltage.

Power Save: Auto-off when you disconnect

Power Hold: Auto-on when you re-connect within 30 seconds.

Works where you do

Operating Temperature: -20 to 50°C (-4 to 122°F).



Long Battery Life

Battery example:
Energizer Ultimate



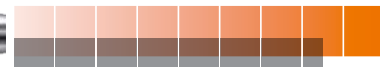
14.5 hours

Battery examples:
Rayovac Max Plus 815,
Duracell MN1500,
Energizer E91, EN91



6 hours

Battery example:
Energizer Recharge



9 hours

NiMH Low Self Discharge - 7.5 hours
(Battery example: Sanyo Eneloop)

Use with a Crystal Calibrator

nVision Reference Recorder



Accurate enough to replace a deadweight tester. **Rugged** enough to sit in 3 feet of water. **Portable** enough to complete calibrations anywhere.

- Gauge / Absolute Pressure Datalogger to 15 000 psi / 1000 bar / 100MPa
- Differential Pressure with up to 0.025% of reading accuracy
- Switch, Voltage, Current, and Temperature
- 500 000 data points—10 readings per second from 2 modules

There's never been anything like this!

- Uses our new CPF hose and fitting system for fast, leak free connections
- Displays live data graphically—no PC required
- Connects to a PC to view live readings or export to tamper proof digital records
- Compensates accuracy for temperature effects from -20°C to 50°C
- Includes a calibration certificate with test data at 5 different temperatures from an A2LA accredited laboratory

crystalengineering.net/nvision

30 Series Pressure Calibrator



The 30 Series is a wide range pressure calibrator that fits easily into your shirt pocket. Its internal sensors give you 0.05% of reading accuracy and resist damage from overpressure.

- Wide pressure range can measure vacuum and pressure up to 5000 PSI (300 bar)
- Indicates milliamps to calibrate transmitters
- Ultra compact and light
- Very easy to learn and use
- Battery operated
- Brings laboratory accuracy to outdoor field conditions

crystalengineering.net/30series

SPECIFICATIONS

Output Voltage: **24 VDC \pm 2%**

Output Voltage Ripple: **< 14 mV rms**

Load Regulation: **2%**

Rated Output Current: **25 mA**

Short Circuit Protection: **Continuous**

Connections: **4mm banana jacks**

Dimensions: **4.8" x 3.1" x 1.2"**

Weight: **200 g (0.44 lbs) including alkaline batteries**

Operating Temperature: **-20 to 50°C (-4 to 122°F)**

Storage Temperature: **-40°C to 75°C (-40°F to 167°F)**

Operating Humidity: **95% Relative, non-condensing**

Power Supply: **2 x AA batteries (alkaline 1.5V included)**

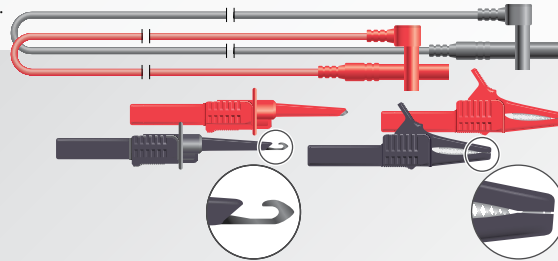
ORDERING INFORMATION

P/N 24VDCPS KIT: **24 VDC Loop Power Supply plus the P/N 1351 Test Lead Set**

P/N 24VDCPS: **24 VDC Loop Power Supply**

P/N 1351: **Test Lead Kit**

Two 4 mm shrouded banana plug, straight to right angle, 122 cm (48 inch) leads with alligator clip and spring loaded hook tip probes.



For detailed specifications go to
crystalengineering.net

CRYSTAL

© 2012 Crystal Engineering Corporation

708 Fiero Lane, Suite 9,
San Luis Obispo, California 93401-8701

No part of this document may be reproduced or modified in any form or by any means, electronic or mechanical, without express written permission from Crystal Engineering Corporation.

crystalengineering.net