

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

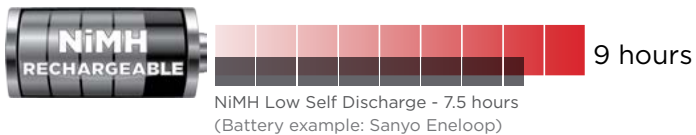
Battery example:
Energizer Ultimate



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



Battery example:
Energizer Recharge



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 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: **1%**

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 to 75°C (-40 to 167°F)**

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

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

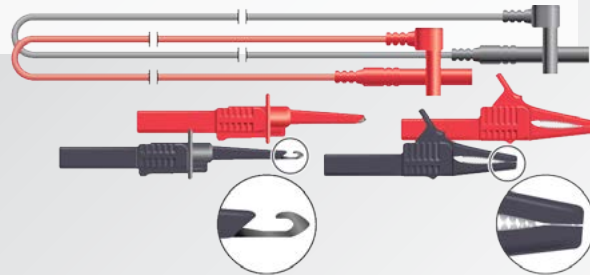
ORDERING INFORMATION

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 the Data Sheet at crystalengineering.net/24vdc

Crystal
pressure

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.

©2013 Crystal Engineering Corporation

AMETEK
TEST & CALIBRATION INSTRUMENTS