

— Suchy Data Systems —



xpro Power-Box

Power distribution unit



xpro[®]

High Performance Automotive Test Systems

xpro Power Box

a „no-Brain“ Product fully packed with a Bunch of Ideas
and wrapped in a nicely designed Box

— Suchy Data Systems —

Who says a silly Power-Distribution Box must be ugly ?

Who says a silly Power-Distribution Box must be bulky in size ?

No matter how complex your installation of automotive test equipment will be, consisting out of data loggers, signal conditioning units, monitors etc. - yet one thing will always be a special team member of your setup: a Power Distribution Unit to supply all instruments with DC Power. This unit expands power sourced from your vehicle's battery and distributes it to all attached instruments via several Banana style sockets.

In most cases power distributors are “home-made” in your workshop. No questions asked about reliability or safety. Just grabbing a plastic box off the shelf and solder some wires of unknown current capability to handfull of banana sockets.

However high currents combined with unproper wiring create a voltage drop of several hundreds of mVolts – missing for the supply of your instruments. In addition Voltage drops create heat by $I^2 * R$ which in hot summer tests can get critical specially with wrong dimensioned cables. In a worst case scenario a melting isolation can create shorts !

These considerations gave us a push to develop a “no-Brain” Power-Box which we super-charged with some brainy ideas or what we call in German language “Gehirnschmalz”.

Now you can get a professionally made **Power Distribution Box** from **Suchy Data Systems GmbH**.



xpro® Power Box - is completely designed and produced in Germany. Only best quality components from well known manufacturers are used and guarantee an outstanding reliability for this product.

- we replaced the usual open single wire power lines by a 180 degrees specified high-temperature and high-flex Silicon cable with a reasonable copper diameter plus mechanical protection
- the widely spread screwed terminal block we kicked-out and inserted a rock-solid Lemosa plug – perfect even for harshest applications. A solution good for thousands of insertion cycles!
- the standard banana sockets have been replaced by an improved Swiss Made product in reliable press-fit technique – no nuts to go loose when exposed to heavy vibrations
- SUCHY® Power-Box is internally fused with a 16 Amps fuse, even a spare fuse is included inside the unit
- an electromagnetic interference (EMI) surpressor secures your equipment against high peak overvoltages
- we included a central solid power-switch to power on/off the attached equipment
- we included a spark extinguisher circuit to eliminate EMI sparks caused by switching high currents
- we eliminated all internal cables as they tend to be error prone and continuously create trouble

All comes wrapped in a neatly designed compact box – of course in SUCHY® quality and fitting perfectly to other SUCHY® systems.

Technical Facts:

- Size appx. 165 mm * 85 mm * 32 mm, weight 0.3 kg
- Temperature Range -40 ... + 80 Celsius, non condensing
- Voltage Range 0 ... 50 VDC, max. 10 Amps (higher currents on request)
- Internally fused 16 Amps

Need more channels or a different brand of sockets ? Just contact us and we will build your individual Power-Box.

xpro Power Box - the no-worries DC Power Box

M : 010-8580-4918
E-Mail : onasu2018@gmail.com
www.atosolution.co.kr

