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SIS3800 32 Channel 32-bit 200 MHz Scaler/Counter

The SIS3800 is the classical particle physics counter firmware implementation on the base of the SIS38xx/3600 base board. It combines high packing density with a fast counting rate and an adapted channel depth. The scaler is a single width 6U VME card, no non standard voltages are required. The unit comes with a 20 pin header connector for the control section and two 34 pin headers for the counters (ECL and flat cable TTL version) or via 8 LEMO connectors for the control section and 32 LEMOs for the counter section (NIM and LEMO TTL version). The unit is available with RS422/RS485 counter inputs optionally. Photograph of the flat cable/LEMO version.

Mixed LEMO control/flat cable counter input version available (Photograph of mixed Version).

PDF SIS3800 data sheet

Features/Properties:

- **32 channels**
- **32-bit channel depth**
- **200 MHz**
- **Read on the fly**
- **Overflow IRQ**
- **VME Access/user LED**
- **A16/A24/A32 D16/D32/BLT32**
- **Broadcast Features**
- **Reference Pulser Capability (channel 1)**
- **Test Pulser Capability (all channels)**
- **VME64x Connectors**
- **VME64x Side Shielding**
- **Geographical Adressing prepared**

Last update 10.5.99 by Matthias Kirsch

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