6.6 Sync Output signals

Two types of TTL signals can be mapped to the connectors "Programmable Output" or "S1" on the bag of the processor: A Burst Detector signal from one of the velocity channels, or a Measurement Running signal.

The Burst Detector signal is a TTL signal, which is high for the duration of the burst. It is delayed by approx. 8 ms to the photo-multiplier signal. The measurement running signal is a TTL signal, which is high during acquisition. This can be used for gating external equipment during LDA data acquisition.

6.6.1 IBSA::SetBNC

This setting is used to specify the signal that is to output on the BNC 1 output connector.

```
[C++,IDL]
HRESULT SetBNC(
     /*[in]*/ int Signal);

[Visual Basic 6]
Sub SetBNC(
     Signal As Long)
```

Parameters

Signal
[in] Specifies the signal.

Remarks

Signal can be set to one of the following constants:

Table 11 Synchronization Signal Constants

Constant	Value
bsaUNUSED	0
bsaBURSTDETECT1	1
bsaBURSTDETECT2	2
bsaBURSTDETECT3	3
bsaBURSTDETECT4	4
bsaBURSTDETECT5	5
bsaBURSTDETECT6	6
bsaSTARTMEASUREMENT	7