# U31 VS. U41 MODEL COMPARISON

TSC have been leading the development of True ACFM and for the last 30 years the technology has been used globally as the method of choice for the detection and sizing of subsea surface-breaking cracks. The U41 is supported by a global network of calibration and training centres, located in Milton Keynes (UK), Québec (Canada), Houston (USA) and Dubai (UAE).

## Diver models

| U31D | U41D/U41DA |
|---|---|
| Limited acquisition speed (single analog input) | **Fast acquisition speed (twin digital inputs)** |
| Lower data resolution (12 bit sampling) | **14x increase in real data resolution (16 bit sampling)** |
| 1 × legacy connector | **3 × SENSU 2 UW connectors** |
| No array | **4 × rows mini array (U41DA)** |
| Probe configurations stored on PC | **Probe configurations stored directly on probe** |
| 300 m (984.25 ft) maximum umbilical length | **450 m (1476.38 ft) maximum umbilical length** |
| Single frequency | **Single/Dual frequency (U41DA)** |
| Legacy Assist software | **New Assist software on continuous evolution** |
| No encoder | **2 × Encoder inputs (where supported on probe)** |


## ROV models

| U31R | U41R/U41RDW |
|---|---|
| Limited acquisition speed (single analog input) | **Fast acquisition speed (twin digital inputs)** |
| Lower data resolution (12 bit sampling) | **14x increase in real data resolution (16 bit sampling)** |
| 1 × legacy connector | **3 × SENSU 2 UW connectors** |
| 8 × rows array max | **Up to 32 × rows array** |
| Probe configurations stored on PC | **Probe configurations stored directly on probe** |
| 300 m (984.25 ft) maximum umbilical length | **450 m (1476.38 ft) maximum umbilical length** |
| Single frequency | **Dual/Multiple frequency** |
| Legacy Assist software | **New Assist software on continuous evolution** |
| 1 × Encoder Input | **2 × Encoder inputs** |
| RS485 only | **Ethernet/RS485/RS232/VDSL selectable** |

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