EQUIPMENT SPECIFICATION

COMPUTER
- i-7 or better
- 1TB hard drive
- Minimum 1600 x 1200 display
- True color TFT display
- 100 MSPS 14 bit A/D converter
- Microsoft Windows 10 or later OS

UT INSTRUMENT
- Up to 32 transceiver channels
- Up to 128 channels phased array
- 64 programmable measurement sequences
- Linear amplifier with 105 dB dynamic range
- Pulse echo, pitch catch, through transmission, TOFD
- Per channel adjustable spike pulse width
- Scanner mounted for improved signal quality

SOFTWARE
- Microsoft Windows 10 or later OS
- Full wave form storage
- Each channel configurable as Transmitter, Receiver, or Transceiver
- Each sequence configurable as TOFD, strip chart, or raw data
- Two gates per measurement sequence
- Computer assisted defect evaluation
- Unique weld/evaluation tracking through PlusWeld
- Easy-to-use operator interface
- Output in PDF format for reports and results

UMBILICAL
- Up to 100 meters (300 ft) without quality loss
- Quick connect at computer and scanner end

SCANNER
- Maximum sustained scanning speed 100 mm/s (4"/s)
- GPS reading per scan (outdoors only)
- Quick changeover features between set-ups
- 6" pipe to almost flat
- High-low measurements
- Encoder accurace better than 5 mm over 5000 mm

ENCLOSURE
- Compact, rugged, and mobile

POWER REQUIREMENTS
- Input: 100-240 VAC 50/60 Hz

WEIGHT
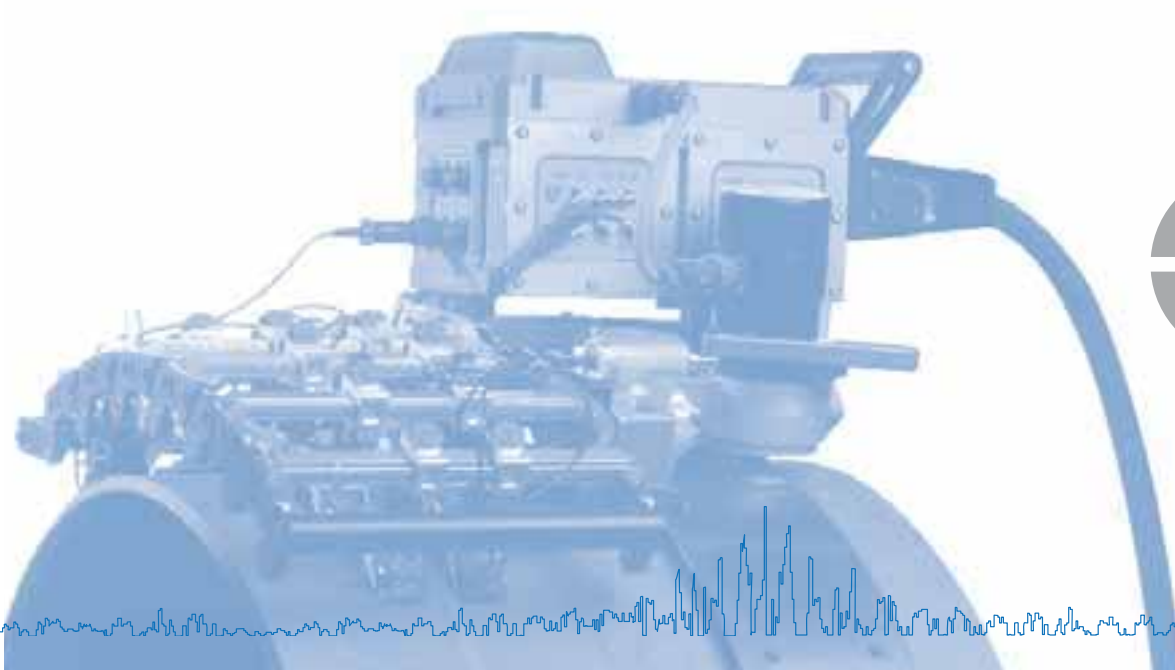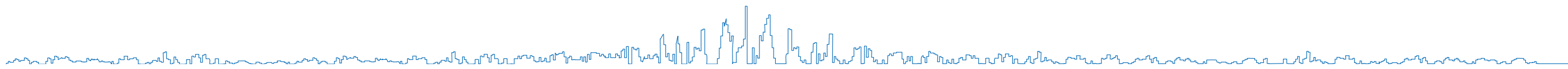- Approx: 60 kg (125 lbs)

ut scan
the pipeline
inspection solution

Phone: Operations
(780) 438-3005

rae.com/utquality
info@rae.com

ut scan
the pipeline
inspection solution

**MORE THAN A TOOL,
IT'S PEACE OF MIND**

UT SCAN BUILT ON EXPERIENCE

UT Scan's management team has over 100 combined years of experience in the pipeline inspection industry. Our knowledge of industry needs has resulted in the creation of the complete UT Scan Quality Assurance System.

UT SCANNER TECHNOLOGY
Designed for the pipeline inspection industry, UT Scan delivers unprecedented reliability and accuracy. You can count of UT Scan's industrial-grade computer hardware and precise manufacturing even in the most demanding environments.

STAFF & TRAINING
UT Scan provides a completely staffed scanning solution for your project. UT Scan also trains your personnel, if you wish.

UT SCAN'S QUALITY ASSURANCE SYSTEM
Integrated computer technology seamlessly brings together all aspects of the UT Scan Quality Assurance System.

UT SCAN'S QUALITY ASSURANCE SYSTEM

UT Scan's Quality Assurance System delivers instantaneous reports on the Inspection Plan, Inspection Procedures, Inspection Records, and Inspection Data Turnover.

INSPECTION PLAN
- Automated design and fabrication reference block
- Transducer selection
- System set-up

INSPECTION PROCEDURES
- Built-in inspection protocol
- Computer-controlled scanner head
- Automatically records weld number, GPS location, time, and date
- "Watchdog" alerts operator when system checks are needed

INSPECTION RECORD
- Daily Inspection Reports
- Defect Trending Reports
- Dynamic Repair Reports
- Inspection Parameter Tracking

INSPECTION DATA TURNOVER
- Inspection data supplied in digital form with an easy-to-use lookup registry
- Final reports organized in a project binder